

SEQUENCE LISTING

<110> Salceda, Susana
 Macina, Roberto
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 Karra, Kalpana
 Cafferkey, Robert
 Sun, Yongming
 Liu, Chenghua

<120> Compositions and Methods Relating to Breast Specific Genes and Proteins

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<150> 60/268,292

<151> 2001-02-13

<160> 295

<170> PatentIn version 3.1

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<211> 494
<212> DNA
<213> Homo sapien

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<211> 1692
<212> DNA
<213> Homo sapien

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21

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<213> Homo sapien

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<211> 2603
<212> DNA
<213> Homo sapien

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<212>	DNA

<213> Homo sapien

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<211> 1139

<212> DNA

<213> Homo sapien

<400> 29

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<211> 192

<212> DNA

<213> Homo sapien

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<210> 33

<211> 2641

<212> DNA

<213> Homo sapien

<400> 33

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 <213> Homo sapien

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 <212> DNA
 <213> Homo sapien

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<211> 531
<212> DNA
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<210> 46
<211> 469
<212> DNA
<213> Homo sapien

<400> 46
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<211> 483
<212> DNA
<213> Homo sapien

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<211> 540
<212> DNA
<213> Homo sapien

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<210> 51

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<210> 53
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 <212> DNA
 <213> Homo sapien

<400> 53
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 ccacaaatca catggcccat cctgagaaga ggagtctcac acctccagtc tcctaaatca 180
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 <212> DNA
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 ataaaccctt atttattata aggaattggc ttacacaata atggaggccg agaaggcccc 240
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<210> 55
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 <212> DNA
 <213> Homo sapien

<220>
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 <223> a, c, g or t

<400> 55
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43

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<211> 617
<212> DNA

<213> Homo sapien

<400> 58

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<210> 59

<211> 913

<212> DNA

<213> Homo sapien

<400> 59

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tgttttccag ggatggggtc tcccagggtc agatagtgcc tttggctgca aatgctcctt      180
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actctgctat agtttgcgtg cttttgtgga caccctcat gaacaggctg gcgctctagg      180
acgctctgtg ttcactgatg atgaagaaac ctagaactcc aagcctgttt gtaaacacac      240
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46

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<210> 62

<211> 568

<212> DNA

<213> Homo sapien

<400> 62

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gaataataca cccaaatcta gtgggtcta ttcatagtgc taatctgggt tatattggca	180
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ggaaaagcag tcctctatta atatcatgtg tgaagagtat ctgttcacaa gatttatgag	300
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47

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 aagatgcatt ggagtatggg aaataaaaaca aaccat'tttg gattgggttta aattggctcg 480
 ttacagtctt cttgtgggga gggactttgt cagtcatttt ggcatcttaa gctagactaa 540
 actttttgtt gttgttttcc taaaacca 568

<210> 63
 <211> 791
 <212> DNA
 <213> Homo sapien

<400> 63
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<210> 64
 <211> 1523
 <212> DNA
 <213> Homo sapien

<400> 64
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 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 65
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cttttataaat gcatgct 377

<210> 66

<211> 1703

<212> DNA

<213> Homo sapien

<400> 66

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aagcagtggt gtacaaaagt gcaaacaaag ttagtgatta acaacttacc atcaatatac 1080

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aaaaacagaa ctgttcctgc ctttcacccc aaaatattta aaactaaatc taagccactt 1380

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 <211> 456
 <212> DNA
 <213> Homo sapien

<400> 67
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<210> 69
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52

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<211> 226
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<213> Homo sapien

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<213> Homo sapien

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55

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 <212> DNA
 <213> Homo sapien

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56

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 <211> 522
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 <213> Homo sapien

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57

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 <212> DNA
 <213> Homo sapien

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58

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 <212> DNA
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<210> 79
 <211> 1002
 <212> DNA
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<211> 399
<212> DNA
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 <213> Homo sapien

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 <213> Homo sapien

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<213> Homo sapien
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77

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 <213> Homo sapien

<400> 103
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<212>	DNA

<213> Homo sapien

<400> 105

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tgtaagtgtg tgtatattta tatatgtata cagtacagtt ttcacaaaaa gcttcaacat      180
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ccaagagatt actatctctc tctttttttt ttttctttta agacagagtg ttgctctgtc      420
actcaggttg gagtgcagtg gcacaattcc tgatcactgc aacctctgcc tcccaggctc      480
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<210> 106

<211> 715

<212> DNA

<213> Homo sapien

<400> 106

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aaaacgacca tttcttataa ccagaaagat atcttagatg tcttcacata tatttactat      660
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<212> DNA

<213> Homo sapien

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aataactttg ggaatgaata aagtggaaat gtaactttcc agtggttcag aattgaatta      720

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ggg	1983

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 <211> 758
 <212> DNA
 <213> Homo sapien

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 <211> 3575
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 <213> Homo sapien

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 <211> 442
 <212> DNA
 <213> Homo sapien

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 <211> 412
 <212> DNA
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 <211> 625
 <212> DNA
 <213> Homo sapien

<400> 114
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<210> 115
 <211> 378
 <212> DNA
 <213> Homo sapien

<400> 115
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 <212> DNA
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tggtcttcag gtggcctgat catggaaagt aaggagttag gcattacctt ctgggagtga 300
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<210> 124
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<212> DNA
<213> Homo sapien

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<210> 125
<211> 684

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104

gatatcaccc aaggcagcga gaagggacca cacacacacc cgcacaacag gacacccaag 2580
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 <211> 420
 <212> DNA
 <213> Homo sapien

<400> 127
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<210> 128
 <211> 2269
 <212> DNA
 <213> Homo sapien

<400> 128
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<210>	129
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<212>	DNA
<213>	Homo sapien
<400>	129

106

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catgtataga atgtgcaacg atcgagtcag ggtatctgtg gtatccacca ctttgagcat 240

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cctttccaac tgtgggtttg tttcatttca ccacctctt ttcattccct ttctcacca 420

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<210> 130
 <211> 738
 <212> DNA
 <213> Homo sapien

<400> 130

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<210> 131
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 <212> DNA
 <213> Homo sapien

<400> 131
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108

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 <211> 828
 <212> DNA
 <213> Homo sapien

<400> 132
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<210> 133
 <211> 1023
 <212> DNA
 <213> Homo sapien

<400> 133
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<212>	DNA
<213>	Homo sapien

<400>	135						
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112

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<210> 138
<211> 569
<212> DNA
<213> Homo sapien

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<220>
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<223> a, c, g or t

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113

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<210> 139
 <211> 739
 <212> DNA
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 <211> 1131
 <212> DNA
 <213> Homo sapien

<400> 140
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114

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 <213> Homo sapien

<400> 141
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887

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 <211> 676
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 <213> Homo sapien

<400> 143
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<210> 144
 <211> 1260
 <212> DNA
 <213> Homo sapien

<400> 144

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<210> 145
<211> 433
<212> DNA
<213> Homo sapien

<400> 145
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gttatagcaa aattaagtag attgaatcaa gtccatgcaa aagcagtaaa acagttatta 180
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gctttatttt	ttctcttaca	tgaagtaaag	cgccttggtc	aaacacacaa	aaatactgcc		480
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119

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<210> 147
 <211> 349
 <212> DNA
 <213> Homo sapien

<400> 147
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<210> 148
 <211> 848
 <212> DNA
 <213> Homo sapien

<400> 148
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120

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<210> 149
 <211> 414
 <212> DNA
 <213> Homo sapien

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<210> 150
 <211> 2088
 <212> DNA
 <213> Homo sapien

<400> 150
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121

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<211> 509

<212> DNA

<213> Homo sapien

<400> 151

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122

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 gtttcccgcc atcaaattaa aacacacag 509

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 <211> 560
 <212> DNA
 <213> Homo sapien

<400> 152
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<210> 153
 <211> 577
 <212> DNA
 <213> Homo sapien

<400> 153
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124

<212> DNA

<213> Homo sapien

<400> 155

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tgtttgtttt ttaattcagc atcctgctgg ttttactttt caagcaagat ctgttgcgac      180
tcccaaatagc gttttaatga gtcctcctt atttgccttt cttcttacgt attttggtgt      240
atttaaagat tgtgcaggag atattctaga aggcattaat ggtttgcatt caaaacgatg      300
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aaaaaaaaaa aaaaaaaaaa aaaaaaggtt gggggtaacc agggccaaga ggggtccctc      480
ggggtcgaca attgggtcac ccgggtccat caatttcccc acaaacataa tacaggacat      540
aggcacacac agcaaacgca cacagcacca agacagacaa ctacggcgag ctaaggacgc      600
agagaagacg cggaacgcg gaacgccccg agcaaggccg aggcaacaca ggagaggggc      660
agcgcacgac ggccggagca cgagcaggaa agcaacgaag agagacaacg gacacacgcg      720
agggcgaaga gaagagagca ggaacgacag gacaagcaca caaacgagcg gcaacagcag      780
accagacga aacagcgcgga                                     800

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<210> 156

<211> 4632

<212> DNA

<213> Homo sapien

<400> 156

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tatgaggaag gctggctggc cacgggcaac gggcgaggag tggttgggt gactttcacc      180
tctagtcact gtcgcaggga caggagtact ccacagagga taaatttcaa cctccggggc      240
cacaatagcg aggttgctgt ggtgaggtgg aatgagccct accagaaact ggccacgtgc      300
gatgcggacg gaggcataat cgtgtggatt cagtacgagg gcaggtggtc tgtggagctg      360
gtcaacgacc gcggggcgca ggtgagtgat ttcacgtgga gccatgatgg aactcaagca      420
cttatttctt atcgagatgg gtttgcctg gttgggtctg tcagtggaca aagacactgg      480
tcatccgaaa tcaacttgga aagtcaaatt acgtgtggca tatggactcc tgacgaccaa      540
caggtgctgt ttggcacggc cgatgggcag gtgattgtca tggattgcc aaggcagaatg      600

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126

<400>	157						
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taccttgggc	agtaacgaca	attattcctc	attcaagtaa	tttcaatgct	gaaactgaac		180
tctattacta	atgccttcca	atcagagttc	ctgatgggga	tgctctgggg	atggcccact		240
aacctggggg	acctaggcta	gcatgggggtg	agttgggtaa	ggaagatgat	gcgttagttc		300
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tgggggttct	gcagtcacag	caagctgtgt	atgaactagc	tgtactagtg	gatgacacac		420
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tcactcatct	gacacataac	caccattaca	ccttatggta	cgtcaggatt	cataaatagt		540
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ggcgggggtg	cggctcttaa	cgctggctcc	gggtttgggg	ggccccgggc	ccgcaacgcg		960
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<210> 158
 <211> 766
 <212> DNA
 <213> Homo sapien

<400> 158
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 agtgtgaaat tgttatgta tgcatatat agtagtcaaa tatagaagat aatgcaaaac 180
 aatttaaagt gattgtagca gtctgctgta ttctacagca gcaggattgt aggagatta 240
 ctgtagttct cacagcgagc agcatgtgag attggccagt ccgctcaaat tcgtgccaat 300
 acttggtata tgctatcttg tcaatttcta gacattctgg agagtgtgta gtacttgttc 360
 atcttggaac aattacactt aatagttatg tatccatttc tctaattttg ataacatttt 420
 acataagttt atcgttatga gatatgttct ttattttgaa gtgcttattg tccattttac 480
 attgggtcat ctgttattga attgtaaaca ttccttgaat atttaaataat gagtgccttg 540
 tcagtttttg tcacaaatat cctcgttttt tcactttttg cccttttatt attctgaaaa 600
 tgccaagtga ttaaaattaa ttttactatt gttcaataaa caaaacaaaa aaaaaaaaaa 660
 aaaaacacaa aaaaacaaaa gcgcgggggg taaccggggg cccaaggggg tccccggggg 720
 acattggtct ccccggtcac aattcccccc aatcgacaaa cagggc 766

<210> 159
 <211> 1400
 <212> DNA
 <213> Homo sapien

<400> 159
 ctatgattag cttattagtc tttgtggttt atatgcatca gaaagagtaa gacttaattt 60
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 ccatagaaaa gttatttttt attagtaaag aatgctttgt atttcctttg tggcttctaa 180
 gtaccctttt ttggttatta tacctttatc cataagtatc tttaaataatt acaaaaatta 240
 catattcttt taaatatttt aaagatttat tatattcatt taggttttaa tccactttta 300
 attttttaga tgaaaagtaa gagaaaagta tataaatcat gagcacaaat tgaactaacc 360
 aaggtaacaa tcaatctgct caagaaattg agcatcacca ccacctctc ctgcactgtc 420
 caaatcagca cccagttact ccaaagcaaa tgttactcac tacactgact tctaacacaa 480
 tagacttggt ttgtctgttt tcaactatac aaaaatgaat catagagtat gtgttgtttt 540
 gtatctggct ctttcaacta aaattttggg ttataaaatt catccatgtg gttgaacaca 600

<212> DNA
 <213> Homo sapien

<400> 161
 ggaagacctg attggaata gtcgaaagcc ttgatatgtg caaagaaaga accatttgat 60
 caacccagtt cttaatacag gatactaact taaaatatag actcaagtta tacgataatt 120
 caaacattta ttgtatttat actattctat atgtactttt ccaggaacca ggaatacaaa 180
 actgacatgt tctctgtaca gaggctcaga ctagtagaga acagttaggt acgccgttaa 240
 ttataaacta atatgtatca tcaattatgg gtttttatgg ggggttggca ggtggaaggg 300
 accagggaga gatgatgagt gatgatgggt atgtagtctt taggaggatg caattataac 360
 attgctcttc ctttcacgca ccacatgatt tagcaagtac ttcataattgg ctccaccatt 420
 aacatgggtca atggcttctg gatactcaca gttcaggcac agtttctcct gaagattttt 480
 tacctctccc atctttaaga aattgtctgg atgtccatga aagatgctga cacttgtatt 540
 aattcattaa aaaacaccac cccctccctg aaataaacta aaaagtaatg aattcataga 600
 aaaaaatttc accaagattg aaactagaga atatacctag acttgcaactt tgagctttga 660
 gaaatgtgta cctattcacc attccaacgt gaagaagctc tgcagtagga aaaataatta 720
 acacacttat agtctactgc ccatgtaagg atcagctccg gctaagaggc caaagatggg 780
 tgacatcggt atgctctgcc tttatttttt ctttcttacc cacttagctt cctaattgga 840
 ggaaggaggc gtggtaaagg tatatgaaga ctatggttta attagaccag aaaacactgt 900
 cataatctct ggggtcatca gaatgtccag ttttgtcttt gggccaagat aagggcagtg 960
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 gacagacata aagaccctgt tgggaatgac attgaactct caaagtcaag atttcttaca 1140
 caaatctatc agctggagaa aatgaaggca gtgtggtata tgtgtgcaaa taaggacatt 1200
 atgaagctta aatatggaat gtctcttggg ccccgatgt catctgtatt ctctttttct 1260
 tcttgtacta tctcttttgc ctgtaaataa aagggtttatt tgaaaaaaaa aaaaaaaaaa 1320
 gatcggc 1327

<210> 162
 <211> 318
 <212> DNA
 <213> Homo sapien

<400> 162
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<210> 164
<211> 1120
<212> DNA
<213> Homo sapien
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132

<400> 164
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 ctgaggtgac cccagcctgt ttgcagttcc aagtcttccg tgtaggcgtc actgctactg 180
 gaactttgta gatgaggagc ctgtatgatg atgtcctgaa catttctatc ctttctcac 240
 acagagggaa gctactggga atatcagaga caagctatta ttaaacaagt gtctctagtc 300
 caagacatct cctgtggcag ggaaatgagg gggcaggctg tatcagtgat atttttataa 360
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 caaaaccaac tgaatcttat cccctccatt tatcccccctc cagacacttc taatcaaggt 480
 caccatctcc aacttcccc atagacaata aaaatatggc tggagaattc tactgtaata 540
 gaaaaccaag gagatatagt aatttgacag tgtgttttct tccatccac tagacaagaa 600
 taccctctcc cattctttcc tccctcagt caccagaatg aaggggctgg aaaacgttgg 660
 tctggttcct tttagagctg attccccatt ggatactgcc tggaggcctt ggggatgaat 720
 gagaagttct gcagtttggg tcagtagcag aagcaggtaa cacatcaggg aaccggctcag 780
 cctaagatag gaggggacag aaaatgatga aagagtttct gatacattta tcagctaaat 840
 tgctatggtc acccccatgt ctctgtaat gtccaaacct aaggaattaa ctaagtaaac 900
 taaaaccttt gtgttcttgc tctgacctg gacaatggaa ttcttcttat ttctattcag 960
 tggatagcaa atctgcttct tccctgcctt aactcactca aggtctctgt gatgcactcc 1020
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 aatgaagctt caggattatg aaaactagta cttaatgaag 1120

<210> 165
 <211> 810
 <212> DNA
 <213> Homo sapien

<400> 165
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 tttctgcaa ctgatctctg ctacagataa ggcttccctc ctggaggcca aagccctggt 180
 taacgttaag agctctatga tgatgcaaac ttcagaggcg atcacctaac ataacaaaaa 240
 cctccccaga accagaacct gttttttcac caaaacctt ccgctgcttg aataagaatg 300
 tcttttctt tctaccaac tttgatgccg ctggccactg tgacataact ttacttagc 360
 ggggtaaatc atagatggat tacttgaact gccaacacaa gactgctgga cgagggacag 420

133

agctggatat gttagacaaa gatatacgaa cgacttggcg taatcactgg tcaatagctg 480
 acaccatgat gtgaaaagta gtaatcacgg ctccacaagta ccaacacaag atacagaaga 540
 caggagaaga ggaacaggaa aagaagaaac aacagagcac aaagagagaa caagcacaca 600
 acagacgaag gccacaagag cgaaggagga cgggacgcag caccagcaac agaggaacgg 660
 cacgcacaga agaacacaga caagaaaacg agaagaaacc acacgcacaa ctagccagaa 720
 tcagagacag aaaacgcgaa gacaggaggc agaagcagaa acacaagaaa accgaacacc 780
 aaaacaggca gcacaaacac gaagagaaag 810

<210> 166
 <211> 601
 <212> DNA
 <213> Homo sapien

<400> 166
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 ggatccgccc gggcaggtag tcagggtgta tatgattttc tgagctgaat aagtgcgagg 120
 agcagattat taagatctgc cattctgaaa cgctgggtctt tttctccttc ctatagtga 180
 ccataaaatt ctgttgatca gattatatta catacatttg ggggagtgga gggacatgag 240
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 gaatagagtt cgggggttgc caaaaatgca tacatgtatg taagtaaaat tttttatgaa 420
 gtagtctgtc aaatgtatca taaagtttat ttttctttta tacgtaaatc attaaaaata 480
 atcacatatt tttgaaaaaa aaaaaaaaaa aaaaaaagggt ggggggtatc tcggggccaa 540
 aaggggtccc gggggggaat tggttttccg gttcaaattt ccacaaattt gggagaaaat 600
 a 601

<210> 167
 <211> 1035
 <212> DNA
 <213> Homo sapien

<400> 167
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 cagattgtgt tttcccaact taggctcttt attaattggt taaggttttc tccaaaaagg 120
 gcatttcaac aatgggaatt attttaaatt ggttaaacca gtgggcacag attacttata 180
 ttctttctct gctttgtgac tcaccagcag taacacacac aatccacata ttgtgcacct 240

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actattgggt	gaggtttttc	agctgttacc	gacccacgtc	ctgctgtctc	tgtgtgggtcc	360
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ttagacattt	gtctttttta	aactaaagta	attgtattga	tgtgaagcat	atcatttttt	780
caaatatgaa	agtgatcact	tagcaacatg	cttggttaatt	tggcatctgt	taaggtagga	840
gagtggtgaa	cagataatct	atgcatatat	cactagtgcc	aagacataaa	gcgggggaaa	900
atatattttt	acccaaacat	taaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaggc	960
tgggggtaac	cgggggccaaa	gggggtcccg	gggtgaattgg	ttttccgctc	aaattccccc	1020
atttttgggc	aaacc					1035

<210>	168
<211>	1666
<212>	DNA
<213>	Homo sapien

<400>	168						
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ctacatagcc	tcatgggcat	cattggatag	ctcagagggc	ccttgattct	ggcaaggcaa		120
ataaagccag	aatgagaaat	taccatcttc	tactagagaa	aaccaagaga	aaaattttta		180
tgctagggatg	cctttatgac	cacttaattt	tttaatctta	gtttaatggt	ctctccctgg		240
tgctaaactgc	tgacagtggc	cacctctttt	ttggggattg	aggggcctac	ataactagct		300
ggccttacco	catatctttt	gttcaaacat	aataccatct	ttttgcttct	tctgaacttt		360
agatctccat	aacacatgta	ctgtagaatg	tgatggaaaa	gcattgatga	gaattttattg		420
gcagttcaga	ttgtgttttc	ccaacttagg	ctctttatta	attggttaag	gttttctcca		480
aaaagggcat	ttcaacaatg	ggaattattt	aatgtaacag	tgggcacaga	ttacttatct		540
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aaatgaacag	acttggtttc	cttgctttct	tgacatttcc	atgactgttt	cacatacaaa		660
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135

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 aatatgaaag tgatcactta gcaacatgct tggtaatttg gcatctgtta aggtaggaga 1200
 gtggtgaaca gataatctat gcatatatca ctagtgccaa gacataaagc gggggaaaat 1260
 atatttttac ccaaacatta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa caactgtgtt 1320
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 gcggggcccc aggaggtagg gtgccacacg ggccaaaagc gtgtcccagg agacaccggg 1440
 gggcactaga acaacttagg gtgtgtgagg aatattttcg ctacccccat gttacaaaaa 1500
 caaccgcgca gagggggcaa acagcaacag ggtttctgtg aaacaacaac ccccaaatgg 1560
 aggaagtc tcgagaagga catacagga aagcctaata caacagaggg aagatcccaa 1620
 ggaaaagcac tatcatataa ataattatcg ccgccggctg tgcggg 1666

<210> 169
 <211> 633
 <212> DNA
 <213> Homo sapien

<400> 169
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 atctgttgaa tgaatgcttt tcccagtaacg cacgtgtatt catacaatat taatataatt 180
 agtcccctgg gcttacagat aaaaatgaaa cgcatcaacg tgcccagctg cagtgaagacc 240
 cagggtgttct tcttcacccc ctagtggctc cctgggcagg tctttttttt ttggtaacac 300
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 actgtttctca tagtgttcat tagcgacaga gtaaacaatgt ttgccatgca aggggttattt 420
 ggcactctgca tttaagtgat aatgttgaat caatgaaaag gtgttgatta agcagtagtt 480
 gtagatatgc taagtttttc aaattactaa tatcaagtgg agatggtttt tactttataa 540
 gggatttgct ttgggtgatag cataaataat ggggtttccct ttttggtaac tgtaacatta 600

attggctggc aactttggta ttcccataga ctg

633

<210> 170
 <211> 563
 <212> DNA
 <213> Homo sapien

<400> 170
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 tggatcggcg ccgggcagggt acaaaaaata ggataaatgc ttgttttttt atttagcaat 120
 gtccaaaata atgaattgat ttcccagta tctctaaag gtaaccaggg atttttttta 180
 ttttaattatc ttgaaccac atatttaa atacgtagta tgctacaaac cattgcagtt 240
 aagtaccttt attgatgctt gagttgccca cttttctttt tttttttttt ggagacagag 300
 cctcgctctg tcaccaggc tggagtgcag ggcgtcatc tttgactcac ttgcaacctt 360
 ccttccttcc gtggggtgca ggcagattct cctgtgcctt acagcctccg agtttggtg 420
 ggatttacag gcattgttg caagtttccc acattttcag tgagaaattc ctcaattggc 480
 ctccgtgagt ggtttgaaa ttgacccag aattcttgga tggggtgtat tagctatcta 540
 tggctggtgt acaaaattga cct 563

<210> 171
 <211> 682
 <212> DNA
 <213> Homo sapien

<400> 171
 gaaaagggtg gcagcagggt caogtgttat cagcctgatc atctatcacc tgatgggttt 60
 agcaatacct aaatccgtga tatcatcaga ggttgcaaaa tgatgagatt cagggttttt 120
 ttttacataa ttattggtca gaattattct gcaaatagct tctctttaac agtattcgg 180
 taccttgaaa tacaggttgt acaaaaaata ggataaatgc ttgttttttt atttagcaat 240
 gtccaaaata atgaattgat ttcccagtat cctctaaagg taaccaggga ttttttttat 300
 ttaattatct tgaaccaca tatttaaata tacgtagtat gctacaaacc attgcagtta 360
 atacctttat tgatgcttga gttgccact tttttctttt tttttttttg gagacagagc 420
 ctogctctgt caccaggct ggagtgcagg ggcgtcatc ttgactcact tgcaaccttc 480
 cttccttccg tggggtgcag gcagattctc ctgtgcctta cagcctccga gtttggtg 540
 gatttacagg gcattgttg aagtttccca cattttcagt gagaaattcc tcaattggcc 600
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 ggctggtgta acaaaattgac ct 682

137

<210> 172
 <211> 75
 <212> PRT
 <213> Homo sapien

<400> 172

Met Gly Pro Arg Ser Arg Leu Trp Pro Ser Ser Pro Leu Trp Leu Val
 1 5 10 15

Gln Pro Leu Cys Thr Pro Gly Val Phe Thr Pro Gly Ala Asp Ser Ser
 20 25 30

His Cys Ser Ser Phe Leu Arg Glu Ile Thr Val Val Ile Ala Ala Gly
 35 40 45

Ala Asn Arg Leu Gly Leu Val Ser Cys Ala Phe Gly Gln Leu Leu Thr
 50 55 60

Arg Ser Ser Leu Lys Gln Trp Gly Gly Pro His
 65 70 75

<210> 173
 <211> 38
 <212> PRT
 <213> Homo sapien

<400> 173

Met Phe Pro Arg Leu Asp Ser Thr Ser Trp Pro Gln Gly Ile Leu Trp
 1 5 10 15

Ala Trp Thr Pro Lys Pro Leu Arg Leu Glu Val Cys Glu Pro Pro Ser
 20 25 30

Leu Pro Ser Leu Trp Ser
 35

<210> 174
 <211> 52
 <212> PRT
 <213> Homo sapien

<400> 174

Met Thr Leu Phe Ile Arg Cys Cys Thr Asn Tyr Gly Asn Leu Cys Gln
 1 5 10 15

138

Tyr Phe Asn Val Cys Trp Ile Ile Thr Asp Ile Phe Ile Ile Leu Met
 20 25 30

Ser Thr Asn Leu Phe Ile Leu Ile Ala Arg Val Ser Leu Gly Ser Lys
 35 40 45

His His Leu Gly
 50

<210> 175
 <211> 37
 <212> PRT
 <213> Homo sapien

<400> 175

Met Ala Gly Ser Gly Lys Val Pro Ile Thr Thr Thr Tyr Lys Pro Pro
 1 5 10 15

Thr Asn Ser Asn Ala Ile His Leu Pro Thr Pro Ile Ile Arg Lys Ala
 20 25 30

Gly Phe Thr Gly Ile
 35

<210> 176
 <211> 88
 <212> PRT
 <213> Homo sapien

<400> 176

Met Gly Leu Thr Leu Lys Ser Leu Cys Asp Ser Lys Met Asn Cys Gln
 1 5 10 15

Ser Asn Val Pro Leu Met Lys Asp Pro Ile Thr Leu Gln His Val Cys
 20 25 30

Ile Gln Arg Thr Tyr Leu Arg Leu Ser Phe Gly His Gly Gly Arg Leu
 35 40 45

Leu Leu Lys Thr Tyr Gln Ser Pro Leu Trp Arg Ser Ala Asp Arg Pro
 50 55 60

His Asp Leu Gly Asn Gly Leu Leu Val Ile Trp Asp Cys Leu Gly Leu
 65 70 75 80

Cys Asn Gly Thr Trp Gly Gln Asn

139

85

<210> 177
 <211> 61
 <212> PRT
 <213> Homo sapien

<400> 177

Met Asp His Lys Ser Ala Asn His Ser Ser Ala Leu Leu Lys Met Leu
 1 5 10 15

Leu Ala Gly Gly Met Ser Leu Pro Glu Val Pro Glu Gly Leu Thr Pro
 20 25 30

Thr Pro Ser Ser Gln Thr His Leu Ser Lys Gly Lys Gly Arg Asn Leu
 35 40 45

Glu Lys Ser Tyr Phe His Asn His Ser Leu Arg Glu Pro
 50 55 60

<210> 178
 <211> 198
 <212> PRT
 <213> Homo sapien

<400> 178

Met Thr Pro Ile His Leu Ile Cys Ser Pro Ser His Glu Leu Gln Asp
 1 5 10 15

Thr Thr His Pro Gln Pro Gln Arg Glu Cys Gln Arg Phe Ser Thr His
 20 25 30

Gly Ala Gln Thr Thr Gln Cys Ala Thr His His His Pro Tyr Ile Ser
 35 40 45

Gly Ala Ala Thr Arg Thr Tyr Leu Arg His Val Ala Pro Asp Tyr Ser
 50 55 60

Ala Pro Leu Met Ala Pro Pro Thr Asn Thr Arg Leu Ala Pro Ala Ser
 65 70 75 80

Leu Gln Pro Thr His Leu Arg Pro Pro Leu Ala Arg His Pro Leu Thr
 85 90 95

Ala Asp Cys Arg Thr His Gln Leu Thr Asp Thr Arg Pro Leu His Pro
 100 105 110

140

Arg Pro Ile Thr Ser Arg Thr Pro Gln Pro Leu Pro Ser His Thr His
 115 120 125

Gly Leu His His Thr Arg Pro Pro His Thr Ala Thr Gly Cys Pro Tyr
 130 135 140

Leu Ser Thr Ser Arg Pro Leu Pro Pro Leu His Thr Arg Ser Ile His
 145 150 155 160

Pro Asp Asn Pro His Cys Thr Thr Pro His His Ser Pro Ser Lys Pro
 165 170 175

Ser Thr Thr Thr His Gln Gln Ser Pro Ala Pro Thr Pro Asn Lys Pro
 180 185 190

His Pro Arg Arg Ala Ser
 195

<210> 179
 <211> 20
 <212> PRT
 <213> Homo sapien

<400> 179

Met Ile Gly Ile Thr Trp Cys Phe Glu Leu Ile His Pro Thr Leu Glu
 1 5 10 15

Leu Thr Ala Thr
 20

<210> 180
 <211> 107
 <212> PRT
 <213> Homo sapien

<400> 180

Met Gly Ala Ser Gly Pro Glu Arg Glu Asp Arg Asn Ser Glu Asn Gly
 1 5 10 15

Val Glu Lys Lys Asn Val Lys Glu Leu His Glu Glu His Met Ala Glu
 20 25 30

Lys Lys Glu Leu Gln Glu Glu Asn Gln Arg Leu Gln Gly Leu Pro Val
 35 40 45

Met Arg Lys Gln Ala Phe Asp Leu Leu Glu Ser Thr Ala Gln Lys Ser



Leu Val Pro Ile Phe Glu Phe Pro Lys Gln
20 25

<400> 184

Pro Ser Cys Ser Ser His Ile Asn Ser Lys Lys Pro Ser Gln Gln Asn
20 25 30

<210>	185
<211>	76
<212>	PRT
<213>	Homo sapien

<400> 185

Ser Ser Glu Arg Gln Ser Gln Pro Thr Gln Gly Gly Gln Gly Val Arg
20 25 30

Pro Gln Thr Tyr Ser Pro Ala Asp Leu Thr Val Arg Pro Ser Cys Ser
35 40 45

Gly Thr Gly Asn Ala Gln Ala Glu Ile Ala Leu Leu His Thr Tyr Asn
50 55 60

Thr Thr Leu Glu Asn Asn Leu Glu Trp Phe Thr Leu
65 70 75

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<210> 186
<211> 35
<212> PRT
<213> Homo sapien
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<400> 186

143

Met Arg Gln Pro Cys Leu Ala Ile Pro Glu Ala Ser Ala Ser Leu Ile
 1 5 10 15

Cys Arg Cys His Arg His Phe Thr Tyr Ser His Leu Met Ala Arg Phe
 20 25 30

Leu Leu Leu
 35

<210> 187
 <211> 76
 <212> PRT
 <213> Homo sapien

<400> 187

Met Phe Phe Ala Leu Met Gly Ile Cys Pro Gly Thr Leu Pro Pro Gly
 1 5 10 15

Pro Pro Leu Pro Arg Trp Pro Pro Pro Val Phe Cys Phe Phe Phe Phe
 20 25 30

Phe Phe Gly Phe Phe Phe Cys Cys Phe Thr Val Lys Leu Phe Ile Glu
 35 40 45

Gln Ile Glu Asp Asn Asp Ile Cys Phe Tyr Tyr Arg Ser Leu Pro Ser
 50 55 60

Ser Tyr Ile Ile Asp Thr Tyr Tyr Glu Thr Cys Ile
 65 70 75

<210> 188
 <211> 173
 <212> PRT
 <213> Homo sapien

<400> 188

Met Ile Gly Cys Ser Leu Leu Val Ala Cys Leu Cys Cys Leu Val Gln
 1 5 10 15

Ser Phe Arg Ala Met Phe Ser Cys Phe Ser Gly Leu Ser Leu Cys Leu
 20 25 30

Met Leu Pro Leu Trp Cys Val Cys Pro Thr Val Cys Ala Phe Phe Cys
 35 40 45

Gly Val Ile Ser Ala His Cys Asn Phe His Leu Leu Gly Ser Ser Ser

145

20

25

30

Ser Pro Ala Ser Ala Ser Gln Val Ala Glu Ile Thr Gly Ala Cys His
 35 40 45

Pro Thr Trp Leu Ile Phe Val Ile Leu Val Glu Thr Gly Phe His His
 50 55 60

Val Gly Gln Ala Asp Ala Leu Leu Thr Ser Gly Asp Pro Pro Phe Ser
 65 70 75 80

Ala Pro Lys Val Leu Gly Ile Thr Gly Val Ser His Arg Ala Arg Pro
 85 90 95

Ala Asn Thr Phe Ala Leu Thr Thr Leu Gly Leu Leu Tyr Lys Ile Val
 100 105 110

Met Ile Ala Met Glu Val Leu Pro Val Pro
 115 120

<210> 191
 <211> 11
 <212> PRT
 <213> Homo sapien

<400> 191

Met Trp Arg Ala Lys Gln Tyr Asp Leu Gln Thr
 1 5 10

<210> 192
 <211> 28
 <212> PRT
 <213> Homo sapien

<400> 192

Met Met Phe Ser Leu Ser Gln Lys Gly Ser Ala Ala Val Gln Ser Pro
 1 5 10 15

Ser Thr Leu Ser Thr Pro Thr Phe Ser Ile Ser Tyr
 20 25

<210> 193
 <211> 48
 <212> PRT
 <213> Homo sapien

<400> 193

Met Asp Ser Gly Ala Arg Ala Gly Lys Pro Leu Leu Asp Pro Val Cys
1 5 10 15

Leu Pro Ala Trp Ser Leu Cys Leu Gln Pro Cys Leu Tyr Ser Ser Leu
20 25 30

Pro Pro His Gln Pro Pro Leu Ala Ser Pro Tyr Arg Leu Ser Lys Lys
35 40 45

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<210> 194
<211> 1138
<212> PRT
<213> Homo sapien
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<400> 194

Met Gly Asp Phe Ala Ala Pro Ala Ala Ala Ala Asn Gly Ser Ser Ile
1 5 10 15

Cys Ile Asn Ser Ser Leu Asn Ser Ser Leu Gly Gly Ala Gly Ile Gly
20 25 30

Val Asn Asn Thr Pro Asn Ser Thr Pro Ala Ala Pro Ser Ser Asn His
35 40 45

Pro Ala Ala Gly Gly Cys Gly Gly Ser Gly Gly Pro Gly Gly Gly Ser
50 55 60

Ala Ala Val Pro Lys His Ser Thr Val Val Glu Arg Leu Arg Gln Arg
65 70 75 80

Ile Glu Gly Cys Arg Arg His His Val Asn Cys Glu Asn Arg Tyr Gln
85 90 95

Gln Ala Gln Val Glu Gln Leu Glu Leu Glu Arg Arg Asp Thr Val Ser
100 105 110

Leu Tyr Gln Arg Thr Leu Glu Gln Arg Ala Lys Lys Ser Gly Ala Gly
115 120 125

Thr Gly Lys Gln Gln His Pro Ser Lys Pro Gln Gln Asp Ala Glu Ala
130 135 140

Ala Ser Ala Glu Gln Arg Asn His Thr Leu Ile Met Leu Gln Glu Thr
145 150 155 160

147

Val Lys Arg Lys Leu Glu Gly Ala Arg Ser Pro Leu Asn Gly Asp Gln
 165 170 175

Gln Asn Gly Ala Cys Asp Gly Asn Phe Ser Pro Thr Ser Lys Arg Ile
 180 185 190

Arg Lys Asp Ile Ser Ala Gly Met Glu Ala Ile Asn Asn Leu Pro Ser
 195 200 205

Asn Met Pro Leu Pro Ser Ala Ser Pro Leu His Gln Leu Asp Leu Lys
 210 215 220

Pro Ser Leu Pro Leu Gln Asn Ser Gly Thr His Thr Pro Gly Leu Leu
 225 230 235 240

Glu Asp Leu Ser Lys Asn Gly Arg Leu Pro Glu Ile Lys Leu Pro Val
 245 250 255

Asn Gly Cys Ser Asp Leu Glu Asp Ser Phe Thr Ile Leu Gln Ser Lys
 260 265 270

Asp Leu Lys Gln Glu Pro Leu Asp Asp Pro Thr Cys Ile Asp Thr Ser
 275 280 285

Glu Thr Ser Leu Ser Asn Gln Asn Lys Leu Phe Ser Asp Ile Asn Leu
 290 295 300

Asn Asp Gln Glu Trp Gln Glu Leu Ile Asp Glu Leu Ala Asn Thr Val
 305 310 315 320

Pro Glu Asp Asp Ile Gln Asp Leu Phe Asn Glu Asp Phe Glu Glu Lys
 325 330 335

Lys Glu Pro Glu Phe Ser Gln Pro Ala Thr Glu Thr Pro Leu Ser Gln
 340 345 350

Glu Ser Ala Ser Val Lys Ser Asp Pro Ser His Ser Pro Phe Ala His
 355 360 365

Val Ser Met Gly Ser Pro Gln Ala Arg Pro Ser Ser Ser Gly Pro Pro
 370 375 380

Phe Ser Thr Val Ser Thr Ala Thr Ser Leu Pro Ser Val Ala Ser Thr
 385 390 395 400

Pro Ala Ala Pro Asn Pro Ala Ser Ser Pro Ala Asn Cys Ala Val Gln
 405 410 415

Ser Pro Gln Thr Pro Asn Gln Ala His Thr Pro Gly Gln Ala Pro Pro
 420 425 430

Arg Pro Gly Asn Gly Tyr Leu Leu Asn Pro Ala Ala Val Thr Val Ala
 435 440 445

Gly Ser Ala Ser Gly Pro Val Ala Val Pro Ser Ser Asp Met Ser Pro
 450 455 460

Ala Glu Gln Leu Lys Gln Met Ala Ala Gln Gln Gln Gln Arg Ala Lys
 465 470 475 480

Leu Met Gln Gln Lys Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
 485 490 495

Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln His Ser
 500 505 510

Asn Gln Thr Ser Asn Trp Ser Pro Leu Gly Pro Pro Ser Ser Pro Tyr
 515 520 525

Gly Ala Ala Phe Thr Ala Glu Lys Pro Asn Ser Pro Met Met Tyr Pro
 530 535 540

Gln Ala Phe Asn Asn Gln Asn Pro Ile Val Pro Pro Met Ala Asn Asn
 545 550 555 560

Leu Gln Lys Thr Thr Met Asn Asn Tyr Leu Pro Gln Asn His Met Asn
 565 570 575

Met Ile Asn Gln Gln Pro Asn Asn Leu Gly Thr Asn Ser Leu Asn Lys
 580 585 590

Gln His Asn Ile Leu Thr Tyr Gly Asn Thr Lys Pro Leu Thr His Phe
 595 600 605

Asn Ala Asp Leu Ser Gln Arg Met Thr Pro Pro Val Ala Asn Pro Asn
 610 615 620

Lys Asn Pro Leu Met Pro Tyr Ile Gln Gln Gln Gln Gln Gln Gln

625				630				635				640			
Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Pro	Pro	Pro	Pro	Gln	Leu
				645				650				655			
Gln	Ala	Pro	Arg	Ala	His	Leu	Ser	Glu	Asp	Gln	Lys	Arg	Leu	Leu	Leu
				660				665				670			
Met	Lys	Gln	Lys	Gly	Val	Met	Asn	Gln	Pro	Met	Ala	Tyr	Ala	Ala	Leu
				675				680				685			
Pro	Ser	His	Gly	Gln	Glu	Gln	His	Pro	Val	Gly	Leu	Pro	Arg	Thr	Thr
				690				695				700			
Gly	Pro	Met	Gln	Ser	Ser	Val	Pro	Pro	Gly	Ser	Gly	Gly	Met	Val	Ser
				705				710				715			
Gly	Ala	Ser	Pro	Ala	Gly	Pro	Gly	Phe	Leu	Gly	Ser	Gln	Pro	Gln	Ala
				725				730				735			
Ala	Ile	Met	Lys	Gln	Met	Leu	Ile	Asp	Gln	Arg	Ala	Gln	Leu	Ile	Glu
				740				745				750			
Gln	Gln	Lys	Gln	Gln	Phe	Leu	Arg	Glu	Gln	Arg	Gln	Gln	Gln	Gln	Gln
				755				760				765			
Gln	Gln	Gln	Gln	Ile	Leu	Ala	Glu	Gln	Gln	Leu	Gln	Gln	Ser	His	Leu
				770				775				780			
Pro	Arg	Gln	His	Leu	Gln	Pro	Gln	Arg	Asn	Pro	Tyr	Pro	Val	Gln	Gln
				785				790				795			
Val	Asn	Gln	Phe	Gln	Gly	Ser	Pro	Gln	Asp	Ile	Ala	Ala	Val	Arg	Ser
				805				810				815			
Gln	Ala	Ala	Leu	Gln	Ser	Met	Arg	Thr	Ser	Arg	Leu	Met	Ala	Gln	Asn
				820				825				830			
Ala	Gly	Met	Met	Gly	Ile	Gly	Pro	Ser	Gln	Asn	Pro	Gly	Thr	Met	Ala
				835				840				845			
Thr	Ala	Ala	Ala	Gln	Ser	Glu	Met	Gly	Leu	Ala	Pro	Tyr	Ser	Thr	Thr
				850				855				860			

150

Pro Thr Ser Gln Pro Gly Met Tyr Asn Met Ser Thr Gly Met Thr Gln
865 870 875 880

Met Leu Gln His Pro Asn Gln Ser Gly Met Ser Ile Thr His Asn Gln
885 890 895

Ala Gln Gly Pro Arg Gln Pro Ala Ser Gly Gln Gly Val Gly Met Val
900 905 910

Ser Gly Phe Gly Gln Ser Met Leu Val Asn Ser Ala Ile Thr Gln Gln
915 920 925

His Pro Gln Met Lys Gly Pro Val Gly Gln Ala Leu Pro Arg Pro Gln
930 935 940

Ala Pro Pro Arg Leu Gln Ser Leu Met Gly Thr Val Gln Gln Gly Ala
945 950 955 960

Gln Ser Trp Gln Gln Arg Ser Leu Gln Gly Met Pro Gly Arg Thr Ser
965 970 975

Gly Glu Leu Gly Pro Phe Asn Asn Gly Ala Ser Tyr Pro Leu Gln Ala
980 985 990

Gly Gln Pro Arg Leu Thr Lys Gln His Phe Pro Gln Gly Leu Ser Gln
995 1000 1005

Ser Val Val Asp Ala Asn Thr Gly Thr Val Arg Thr Leu Asn Pro
1010 1015 1020

Ala Ala Met Gly Arg Gln Met Met Pro Ser Leu Pro Gly Gln Gln
1025 1030 1035

Gly Thr Ser Gln Ala Arg Pro Met Val Met Ser Gly Leu Ser Gln
1040 1045 1050

Gly Val Pro Gly Met Pro Ala Phe Ser Gln Pro Pro Ala Gln Gln
 1055 1060 1065

Gln Ile Pro Ser Gly Ser Phe Ala Pro Ser Ser Gln Ser Gln Ala
1070 1075 1080

Tyr Glu Arg Asn Ala Pro Gln Asp Val Ser Tyr Asn Tyr Ser Gly
1085 1090 1095

Asp Gly Ala Gly Gly Ser Phe Pro Gly Leu Pro Asp Gly Ala Asp
 1100 1105 1110

Leu Val Asp Ser Ile Ile Lys Gly Gly Pro Gly Asp Glu Trp Met
 1115 1120 1125

Gln Glu Leu Asp Glu Leu Phe Gly Asn Pro
 1130 1135

<210> 195
 <211> 30
 <212> PRT
 <213> Homo sapien

<400> 195

Met Gln Leu Pro Leu Ser His Lys Arg Lys Lys Gln Tyr Ser Phe Tyr
 1 5 10 15

Val Phe Asp Thr Asn Ile Lys His Asn Ser Val Leu Val His
 20 25 30

<210> 196
 <211> 46
 <212> PRT
 <213> Homo sapien

<400> 196

Met Lys Ile Tyr Phe Lys Ile Leu Leu Met Phe Leu Lys Lys Tyr Phe
 1 5 10 15

Leu Arg Phe His Leu Met Lys Thr Met Lys Tyr Ser Val Phe Tyr Ser
 20 25 30

Thr Thr Arg Gln Met Trp Ser Ile Pro Phe Val Phe Phe Phe
 35 40 45

<210> 197
 <211> 18
 <212> PRT
 <213> Homo sapien

<400> 197

Met Leu Glu Ala Gly Ile Ser Phe Lys Val Arg Leu Gln Lys Trp Lys
 1 5 10 15

Gln Ile

<210>	198
<211>	132
<212>	PRT
<213>	Homo sapien

<400> 198

Met Phe Tyr Ser Ile Leu Ala Met Leu Arg Asp Arg Gly Ala Leu Gln
1 5 10 15

Asp Leu Met Asn Met Leu Glu Leu Asp Ser Ser Gly His Leu Asp Gly
20 25 30

Pro Gly Gly Ala Ile Leu Lys Lys Leu Gln Gln Asp Ser Asn His Ala
35 40 45

Trp Phe Asn Pro Lys Asp Pro Ile Leu Tyr Leu Leu Glu Ala Ile Met
50 55 60

Val Leu Ser Asp Phe Gln His Asp Leu Leu Ala Cys Ser Met Glu Lys
65 70 75 80

Arg Ile Leu Leu Gln Gln Gln Glu Leu Val Arg Ser Ile Leu Glu Pro
85 90 95

Asn Phe Arg Tyr Pro Trp Ser Ile Pro Phe Thr Leu Lys Pro Glu Leu
100 105 110

Leu Ala Pro Leu Gln Ser Glu Gly Leu Ala Ser Pro Met Ala Ala Gly
115 120 125

Gly Val Trp Pro
130

<210>	199
<211>	226
<212>	PRT
<213>	Homo sapien

<400> 199

Pro Pro Lys His Leu Lys Ser Lys Phe Gly Gly Met Arg Lys Ala Asp
1 5 10 15

Asp Asp Leu Ile Leu Leu Leu Gly Arg Ile Glu Glu Pro Phe Trp Gln
20 25 30


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<210> 200
<211> 37
<212> PRT
<213> Homo sapien
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154

<400> 200

Met Ala Lys His Lys Gly Gly Tyr Gly Lys Tyr Trp Val Thr Leu Ile
1 5 10 15

Ile Gly Leu Asn Ala Thr Asn Asn Ile Ile Ile Val Leu Thr Tyr Phe
20 25 30

Phe Arg Leu Leu Ser
35

$\langle 210 \rangle$ 201

<211> 28

<212> PRT

<213> Homo sapien

<400> 201

Met Val His Lys Ser Tyr Phe Thr Thr Leu Ser Leu Val Ile Leu Gly
1 5 10 15

Val Trp Pro Cys Lys Ala Ser Ser Gln Arg Phe Cys
20 25

<210> 202

<211> 77

<212> PRT

<213> Homo sapien

<400> 202

Met Gly Ser Val Cys Val Cys Phe His Arg Ser Thr Thr Ser Glu Val
1 5 10 15

Ser Leu His Leu Cys Ile Phe Thr Ser Gln Gly Gln Gly Pro Gly Asn
20 25 30

Leu Arg Gly Ser His Ser Phe Ser Leu Pro Gln Thr Met Pro Leu Pro
35 40 45

Pro Ile Ser Leu Gly Gln Glu Ser Gly Phe Cys Phe Pro Tyr Phe Phe
50 55 60

Phe Pro Arg His Trp Glu Ala Ser Gly Glu Gln His Gln
65 70 75

<210> 203

<211> 70

<212> PRT

<213> Homo sapien

<400> 203

Met Gly Pro Pro Leu Pro Leu Gly Gly Trp Ser Ser Asp Leu Leu Ala
1 5 10 15

Gln Lys Val Leu Phe Phe His Leu Leu Cys Leu Asn Glu Ser Ser Trp
20 25 30

Thr Tyr Thr Pro Leu Ser Asp Glu Arg Ala Arg Leu Arg Arg Cys Ala
35 40 45

Gly His Leu Leu Arg Ile His Val Gly Ser Ala Ala Pro Gly Gly Gly
50 55 60

Ser Thr Ser Ala Ala Thr
65 70

<210> 204

<211> 37

<212> PRT

<213> Homo sapien

<400> 204

Met Ser Lys Lys Lys Asp Gln Asp Leu Cys Leu Lys Ile Glu Met His
1 5 10 15

Thr Ala Ala Ala Gln Lys Leu Arg Pro Ala Ser Lys Leu His Glu Ala
20 25 30

Leu Val Lys Thr Asp
35

<210> 205

<211> 87

<212> PRT

<213> Homo sapien

<400> 205

Met Pro Ser Val Ala Gln Gly Pro Val Pro Trp His Leu Gly Ser Arg
1 5 10 15

Ser Ala Val Ala Val Phe Glu Phe Leu Val Met Phe Glu Gln Arg Pro
20 25 30

Tyr Val Cys Ile Leu His Trp Ala Pro Gln Ile Thr Trp Pro Ile Leu

156

35

40

45

Arg Arg Gly Val Ser His Leu Gln Ser Pro Lys Ser Pro Leu Glu Val
 50 55 60

Phe Leu Asn Glu Arg Thr Glu Ala Phe Leu Lys Ser Ser Val Gly Glu
 65 70 75 80

Thr Val His His His Thr Gln
 85

<210> 206
 <211> 46
 <212> PRT
 <213> Homo sapien

<400> 206

Met Ser Pro Gly Thr Ala Met Ala Leu Gly Ala Pro Thr Leu Phe Phe
 1 5 10 15

Phe Phe Phe Phe Phe Phe Tyr Asn Gln Pro Ile Arg Asp Leu Ser
 20 25 30

Ile Asn Lys Pro Leu Phe Ile Ile Arg Asn Trp Leu Thr Gln
 35 40 45

<210> 207
 <211> 91
 <212> PRT
 <213> Homo sapien

<400> 207

Met Ser Ser Pro Gln Ser Ile Glu His Asn His Asp Ser His Glu Leu
 1 5 10 15

Pro Thr Pro Pro Ala Ala Ser Ala Gln Arg Glu Ser Pro Leu Gln Val
 20 25 30

Cys Leu Ile Ala Glu Pro Ile Phe Phe Leu Pro Gly Gln Gln Leu Leu
 35 40 45

Ser Ser Met Ser Arg His Trp Cys Ser Leu Gly Trp Ala Pro Val Thr
 50 55 60

Pro Met Glu Ile Leu Asp Gly Cys Tyr Arg Thr Gly Leu Asp Val Arg
 65 70 75 80

157

Gly Leu Gly Asn Gly Ala Gln Glu Ser Ser Ser
85 90

<210> 208
<211> 87
<212> PRT
<213> Homo sapien

<400> 208

Met Cys Val Arg Asn Ser Met Phe Lys Lys Glu Ile Ile Gln Arg Val
1 5 10 15

Thr Asn His Gly Ser Val Gly His Trp Thr Lys Leu Gly Phe Trp Thr
20 25 30

Phe Leu Pro Asn Ile Asn Phe Ala Leu Ala Ser Val Tyr Thr His Thr
35 40 45

His Thr Thr Thr Asn Thr Thr Gln Thr Thr Phe Trp Ala Asn Thr Thr
50 55 60

Arg Arg Gln Arg Arg Leu Pro Gly Leu Lys Leu Gly Ser Leu Pro Ala
65 70 75 80

Pro Gln Phe Ser Gln Gln Leu
85

<210> 209
<211> 55
<212> PRT
<213> Homo sapien

<400> 209

Met Thr Cys Phe Arg Glu Cys Leu Leu Val Tyr Leu Tyr Ser Ile Cys
1 5 10 15

Leu Leu Asn Ser Leu His Lys Leu Glu Leu Leu Ser Arg Arg Leu Arg
20 25 30

Glu Cys Lys Tyr Val Thr His Lys Met His Trp Ser Met Val Asn Lys
35 40 45

Thr Asn His Phe Gly Leu Val
50 55

158

<210> 210
 <211> 58
 <212> PRT
 <213> Homo sapien

<400> 210

Met Val Ile Phe Tyr Ser Ser Pro Ser Gln Asp Ser Ala Leu Ile Tyr
 1 5 10 15

Tyr Ile Pro Phe Ile Leu Leu Tyr Arg Leu Leu Ser Glu Thr His Val
 20 25 30

Gln Ile Arg Asp Lys Ile Leu Lys His Ile Thr Pro Ser Leu Val Phe
 35 40 45

Ser Ile Gln Ile Leu Arg Asn Ser Cys Tyr
 50 55

<210> 211
 <211> 37
 <212> PRT
 <213> Homo sapien

<400> 211

Met Asn Leu Tyr Leu Lys Met Lys Thr Ile Pro Lys Lys Thr Cys Met
 1 5 10 15

Ser Lys Thr Glu Leu Phe Leu Pro Phe Thr Pro Lys Tyr Leu Lys Leu
 20 25 30

Asn Leu Ser His Phe
 35

<210> 212
 <211> 99
 <212> PRT
 <213> Homo sapien

<400> 212

Phe Phe Phe Phe Leu Arg Trp Ser Leu Ala Leu Ser Pro Arg Leu Glu
 1 5 10 15

Cys Ser Gly Val Ile Ser Thr His Cys Asn Leu Cys Phe Pro Gly Ser
 20 25 30

Ser Asp Ser Arg Ala Ser Pro Thr Phe Gln Val Ala Trp Ile Thr Gly

35

40

45

Val Arg His His Ser Trp Leu Ile Phe Val Leu Leu Val Glu Thr Gly
50 55 60

Phe His His Val Val Gln Ala Val Glu Leu Leu Thr Ser Arg Asp Pro
65 70 75 80

Pro Ala Ser Ala Ser Gln Ser Ala Ala Ile Ile Gly Val Asn His Cys
85 90 95

Ala Arg Pro

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<210> 213
<211> 43
<212> PRT
<213> Homo sapien
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<400> 213

Met Gln Glu Phe Thr Trp Leu Phe Glu Lys Glu Asn Phe Lys Val Ser
1 5 10 15

Gly Trp Thr Glu Ser His Glu Ala Arg Ser Leu Leu Thr Ala Arg Ser
20 25 30

Leu Glu Lys Gln Val Ser Gly Ser Phe Thr Ser
35 40

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<210> 214
<211> 61
<212> PRT
<213> Homo sapien
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<400> 214

Met Ala Val Asp Phe Tyr Asn Phe Val Thr Lys Leu Val Val Thr Thr
1 5 10 15

Gly Tyr Leu Arg Ile Ser Phe Leu Ala Tyr Lys Phe Phe Ser Phe Pro
20 25 30

Phe Leu Asp Ser Leu Ser Leu Cys Cys Pro Gly Leu Glu Cys Ser Gly
35 40 45

Val Ile Pro Ala His Tyr Asn Leu Tyr Leu Pro Gly Arg
50 55 60

<210>	215
<211>	127
<212>	PRT
<213>	Homo sapien

<400> 215

Ser Gln Asn Ile Phe Phe Gly Val Ala Ile Phe Phe Phe Ser Phe Phe
1 5 10 15

Arg Gln Ser Leu Ser Leu Val Ala Gln Ala Arg Val Gln Trp Arg Asp
20 25 30

Pro Gly Ser Leu Gln Pro Leu Pro Pro Gly Phe Lys Arg Phe Leu Gly
35 40 45

Leu Ser Leu Pro Ser Ser Ala Gly Tyr Arg Arg Ala Pro Pro Pro Cys
50 , 55 60

Pro Ala Leu Leu Tyr Phe Ala Val Glu Thr Gly Phe His His Val Gly
65 70 75 80

Gln Ala Gly Leu Glu Leu Leu Thr Ser Gly Asn Pro Ala Ala Ser Ala
85 90 95

Ser Gln Ser Ala Gly Ile Thr Gly Thr Ser His Cys Thr Gln Pro Tyr
100 105 110

Tyr His Lys Ser Ser Ala Cys Trp Tyr Leu Ile Arg Phe Tyr Leu
115 120 125

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<210> 216
<211> 13
<212> PRT
<213> Homo sapien
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<400> 216

Met Glu Cys Ser Ser Leu Ala Glu Phe Lys Pro Val Phe
1 5 10

```
<210> 217
<211> 100
<212> PRT
<213> Homo sapien
```

<400> 217

161

Pro Gln Gln Thr Leu Lys Arg Ile Gln Gln Val Leu Ile Lys Cys Cys
 1 5 10 15

Leu Ala Phe Tyr Leu Phe Leu Phe Phe Phe Phe Leu Arg Trp Ser Leu
 20 25 30

Ala Leu Leu Pro Ser Leu Lys Cys Ser Gly Val Ile Ser Ala His Cys
 35 40 45

Asn Leu Arg Leu Pro Gly Leu Gly Asp Ser Leu Ala Ser Ala Ser Arg
 50 55 60

Val Ala Gly Met Thr Thr Gly Thr Cys His His Ala Gln Leu Ile Phe
 65 70 75 80

Val Phe Leu Val Glu Thr Gly Phe Cys Val Ser Gln Asp Gly Leu Asp
 85 90 95

Leu Leu Ile Ser
 100

<210> 218
 <211> 46
 <212> PRT
 <213> Homo sapien

<400> 218

Met Glu Gly Gly Glu Met Ser Thr Gln Val Glu Asn Arg Ser Glu Gly
 1 5 10 15

Thr Ile Pro Ile Gln Thr Thr Cys Lys Ser His Asn Lys Ala Pro His
 20 25 30

Cys Thr Glu Leu Arg His Lys Gln Arg Phe Pro Thr Asp Gly
 35 40 45

<210> 219
 <211> 72
 <212> PRT
 <213> Homo sapien

<400> 219

Ile Ser Phe Ile Phe Phe Ser Glu Ala Cys Gln Val Glu Val Arg Leu
 1 5 10 15

Leu Leu Ala Tyr Asn Ser Ser Ala Arg Ile Pro Lys Cys Pro Trp Met

20

25

30

Glu Gly Gly Glu Met Ser Pro Gln Val Glu Thr Ser Ile Glu Gly Thr
35 40 45

Ile Pro Phe Ser Lys Pro Val Lys Val Tyr Ile Met Pro Lys Pro Ala
50 55 60

Arg Arg Pro Lys Pro Ala Arg Arg
65 70

```
<210> 220
<211> 41
<212> PRT
<213> Homo sapien
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<400> 220

Met Glu Cys Lys Val Ile Lys Cys Ser Cys Phe His Leu Glu Gly Cys
1 5 10 15

Gly Pro Glu Gly Lys Arg Ser Pro Lys Tyr Pro Pro Pro Trp Cys Ser
20 25 30

Ser Leu Cys Leu Val Pro Ala Arg Ala
35 40

```
<210> 221
<211> 30
<212> PRT
<213> Homo sapien
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<400> 221

Met Asn Ser Phe Gly Tyr Met Thr Pro Ser Lys Phe Phe Lys Lys Glu
1 5 10 15

Ile Thr Phe Lys Thr Thr Tyr Ile Phe Cys Phe Cys Leu Arg
20 25 30

```
<210> 222
<211> 22
<212> PRT
<213> Homo sapien
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<400> 222

Met Leu Gln Ile Gly His Leu Leu Ser Met His Ser Leu Asp Lys Asn
1 5 10 15

163

Ile Gly Gln Val Gly Met
20

<210> 223
<211> 18
<212> PRT
<213> Homo sapien

<400> 223

Met Ser Asp Arg Val Val Ala Leu Leu Glu Val Phe Phe Pro Phe Gln
1 5 10 15

Arg Glu

<210> 224
<211> 133
<212> PRT
<213> Homo sapien

<400> 224

Met Gly Asn Ser Ile Asp Thr Val Arg Tyr Gly Lys Glu Ser Asp Leu
1 5 10 15

Gly Asp Val Ser Glu Glu His Gly Glu Trp Asn Lys Glu Ser Ser Asn
20 25 30

Asn Glu Gln Asp Asn Ser Leu Leu Glu Gln Tyr Leu Thr Ser Val Gln
35 40 45

Gln Leu Glu Asp Ala Asp Glu Arg Thr Asn Phe Asp Thr Glu Thr Arg
50 55 60

Asp Ser Lys Leu His Ile Ala Cys Phe Pro Val Gln Leu Asp Thr Leu
65 70 75 80

Ser Asp Gly Ala Ser Val Asp Glu Ser His Gly Ile Ser Pro Pro Leu
85 90 95

Gln Gly Glu Ile Ser Gln Thr Gln Glu Asn Ser Lys Leu Asn Ala Glu
100 105 110

Val Gln Gly Gln Gln Pro Glu Cys Asp Ser Thr Phe Gln Leu Leu His
115 120 125

164

Val Gly Val Thr Val
130

<210> 225
<211> 50
<212> PRT
<213> Homo sapien

<400> 225

Met Arg Asn Ser Ser Pro Ile Leu Thr Pro Ala Leu Phe Ser Phe His
1 5 10 15

Met Tyr Ile Gly Pro Leu Ile Arg Ile Phe Lys Lys Phe Pro Arg Pro
20 25 30

Pro Asn Leu Thr Ile Asp Asp Pro Leu Ser Leu Phe Arg Arg Asn Tyr
35 40 45

Ile Gly
50

<210> 226
<211> 43
<212> PRT
<213> Homo sapien

<400> 226

Met His Ser Phe Phe Leu Ser Met Leu Cys Pro Glu Ala Leu Arg Val
1 5 10 15

Leu Leu Lys Gln Ala Ala Gly Leu Leu Arg Glu Ile Lys Gly Phe Ile
20 25 30

Ser Thr Thr Arg Cys Gln Asn Leu His Phe Glu
35 40

<210> 227
<211> 99
<212> PRT
<213> Homo sapien

<400> 227

Met Leu Glu Arg Arg Ser Val Met Asp Arg Arg Arg Ala Gly Asn Ser
1 5 10 15

Pro Pro Arg Ile Glu Lys Cys Leu Leu Gly Arg Glu Glu Gly Glu Ala
20 25 30

165

Gly Ala Gly Pro Ser Pro Gly Ser Leu Leu Gly Pro Gln Lys Ala Leu
35 40 45

Asn Gln Ala Pro Ser Leu Gln Gly Lys Pro Arg Pro Gln Pro Asp Asn
50 55 60

Leu Glu Gly Arg Lys Ser Gln Thr Leu Gly Leu Phe Phe Gly Gly Ile
65 70 75 80

Ile Gly Phe Phe Phe Phe Met Phe Leu Leu Glu Phe Cys Leu Leu Ala
85 90 95

Asn Ser Val

<210> 228
<211> 44
<212> PRT
<213> Homo sapien

<400> 228

Met Lys Ser Ile Gln Leu Lys Phe Ser Tyr Ile Ile Glu Pro Gln Leu
1 5 10 15

Asn Gly Met Asn Gly Ile Gly Asn Leu Leu Glu Met Ile Phe Met Ile
20 25 30

Thr Phe Val Val Ile Pro Phe Ser Trp Leu Arg Phe
35 40

<210> 229
<211> 41
<212> PRT
<213> Homo sapien

<400> 229

Tyr Phe Pro Leu Gln Ile Trp Ile Ser Glu Asp Ser Asn Asn Ile Glu
1 5 10 15

Ala Val Asn Gln Trp Lys Glu Thr Val Ile Asn Pro Glu Lys Val Val
20 25 30

Ile Arg Trp His Lys Leu Asn Pro Ser
35 40

166

<210> 230
 <211> 48
 <212> PRT
 <213> Homo sapien
 <400> 230

Met Leu Lys Gly His Tyr Gln Tyr Gly Met Glu Asp Leu Ser Phe His
 1 5 10 15

Thr Phe Ser Ser Ser Phe Leu Asn Phe Leu Leu Leu Phe Leu Leu Ser
 20 25 30

Cys Met Val Ala Pro Phe Pro Phe Leu Leu Ser Val Pro Ser Lys Gln
 35 40 45

<210> 231
 <211> 108
 <212> PRT
 <213> Homo sapien
 <400> 231

Phe Leu Lys Arg Gln Ser Ile Ser Leu Leu Pro Gln Leu Glu Cys Ser
 1 5 10 15

Gly Thr Ile Ile Val His His Thr Leu Glu Leu Leu Gly Lys Gly Ser
 20 25 30

Ser Leu Ala Ser Ala Ser Gln Val Ala Arg Tyr Thr Gly Met Cys Tyr
 35 40 45

His Ala Trp Leu Ile Lys Lys Ile Phe Leu Glu Met Arg Ser Cys Cys
 50 55 60

Val Ala Gln Ala Gly Leu Lys Leu Leu Gly Ser Asn Asn Pro Pro Thr
 65 70 75 80

Leu Ala Ser Gln Ser Ala Gly Ile Thr Gly Val Ser His Ser Thr Ala
 85 90 95

Pro Tyr Leu Gln Ile Leu Asn Gln Ala Ile Ala Ile
 100 105

<210> 232
 <211> 64
 <212> PRT
 <213> Homo sapien

168

Ser Ser Lys Thr Thr Tyr Ala Thr
65 70

<210> 235
<211> 1163
<212> PRT
<213> Homo sapien

<400> 235

Met Asp Arg Asn Arg Glu Ala Glu Met Glu Leu Arg Arg Gly Pro Ser
1 5 10 15

Pro Thr Arg Ala Gly Arg Gly His Glu Val Asp Gly Asp Lys Ala Thr
20 25 30

Cys His Thr Cys Cys Ile Cys Gly Lys Ser Phe Pro Phe Gln Ser Ser
35 40 45

Leu Ser Gln His Met Arg Lys His Thr Gly Glu Lys Pro Tyr Lys Cys
50 55 60

Pro Tyr Cys Asp His Arg Ala Ser Gln Lys Gly Asn Leu Lys Ile His
65 70 75 80

Ile Arg Ser His Arg Thr Gly Thr Leu Ile Gln Gly His Glu Pro Glu
85 90 95

Ala Gly Glu Ala Pro Leu Gly Glu Met Arg Ala Ser Glu Gly Leu Asp
100 105 110

Ala Cys Ala Ser Pro Thr Lys Ser Ala Ser Ala Cys Asn Arg Leu Leu
115 120 125

Asn Gly Ala Ser Gln Ala Asp Gly Ala Arg Val Leu Asn Gly Ala Ser
130 135 140

Gln Ala Asp Ser Gly Arg Val Leu Leu Arg Ser Ser Lys Lys Gly Ala
145 150 155 160

Glu Gly Ser Ala Cys Ala Pro Gly Glu Ala Lys Ala Ala Val Gln Cys
165 170 175

Ser Phe Cys Lys Ser Gln Phe Glu Arg Lys Lys Asp Leu Glu Leu His
180 185 190

169

Val His Gln Ala His Lys Pro Phe Lys Cys Arg Leu Cys Ser Tyr Ala
 195 200 205

Thr Leu Arg Glu Glu Ser Leu Leu Ser His Ile Glu Arg Asp His Ile
 210 215 220

Thr Ala Gln Gly Pro Gly Ser Gly Glu Ala Cys Val Glu Asn Gly Lys
 225 230 235 240

Pro Glu Leu Ser Pro Gly Glu Phe Pro Cys Glu Val Cys Gly Gln Ala
 245 250 255

Phe Ser Gln Thr Trp Phe Leu Lys Ala His Met Lys Lys His Arg Gly
 260 265 270

Ser Phe Asp His Gly Cys His Ile Cys Gly Arg Arg Phe Lys Glu Pro
 275 280 285

Trp Phe Leu Lys Asn His Met Lys Ala His Gly Pro Lys Thr Gly Ser
 290 295 300

Lys Asn Arg Pro Lys Ser Glu Leu Asp Pro Ile Ala Thr Ile Asn Asn
 305 310 315 320

Val Val Gln Glu Glu Val Ile Val Ala Gly Leu Ser Leu Tyr Glu Val
 325 330 335

Cys Ala Lys Cys Gly Asn Leu Phe Thr Asn Leu Asp Ser Leu Asn Ala
 340 345 350

His Asn Ala Ile His Arg Arg Val Glu Ala Ser Arg Thr Arg Ala Pro
 355 360 365

Ala Glu Glu Gly Ala Glu Gly Pro Ser Asp Thr Lys Gln Phe Phe Leu
 370 375 380

Gln Cys Leu Asn Leu Arg Pro Ser Ala Ala Gly Asp Ser Cys Pro Gly
 385 390 395 400

Thr Gln Ala Gly Arg Arg Val Ala Glu Leu Asp Pro Val Asn Ser Tyr
 405 410 415

Gln Ala Trp Gln Leu Ala Thr Arg Gly Lys Val Ala Glu Pro Ala Glu

430

Glu Ser Lys Ala Gly Ile Ala Ala Ser Val Ser Ile Leu Glu Asn Ser
645 650 655

171

Ser	Arg	Glu	Thr	Ser	Arg	Arg	Gln	Glu	Gln	His	Arg	Phe	Ser	Met	Asp
			660					665					670		
Leu	Lys	Met	Pro	Ala	Phe	His	Pro	Lys	Gln	Glu	Val	Pro	Val	Pro	Gly
		675					680					685			
Asp	Gly	Val	Glu	Phe	Pro	Ser	Ser	Thr	Gly	Ala	Glu	Gly	Gln	Thr	Gly
	690					695					700				
His	Pro	Ala	Glu	Lys	Leu	Ser	Asp	Leu	His	Asn	Lys	Glu	His	Ser	Gly
705					710					715					720
Gly	Gly	Lys	Arg	Ala	Leu	Ala	Pro	Asp	Leu	Met	Pro	Leu	Asp	Leu	Ser
				725					730					735	
Ala	Arg	Ser	Thr	Arg	Asp	Asp	Pro	Ser	Asn	Lys	Glu	Thr	Ala	Ser	Ser
			740					745					750		
Leu	Gln	Ala	Ala	Leu	Val	Val	His	Pro	Cys	Pro	Tyr	Cys	Ser	His	Lys
		755					760					765			
Thr	Tyr	Tyr	Pro	Glu	Val	Leu	Trp	Met	His	Lys	Arg	Ile	Trp	His	Arg
	770					775					780				
Val	Ser	Cys	Asn	Ser	Val	Ala	Pro	Pro	Trp	Ile	Gln	Pro	Asn	Gly	Tyr
785					790					795					800
Lys	Ser	Ile	Arg	Ser	Asn	Leu	Val	Phe	Leu	Ser	Arg	Ser	Gly	Arg	Thr
				805					810					815	
Gly	Pro	Pro	Pro	Ala	Leu	Gly	Gly	Lys	Glu	Cys	Gln	Pro	Leu	Leu	Leu
			820					825					830		
Ala	Arg	Phe	Thr	Arg	Thr	Gln	Val	Pro	Gly	Gly	Met	Pro	Gly	Ser	Lys
		835					840					845			
Ser	Gly	Ser	Ser	Pro	Leu	Gly	Val	Val	Thr	Lys	Ala	Ala	Ser	Met	Pro
	850					855					860				
Lys	Asn	Lys	Glu	Ser	His	Ser	Gly	Gly	Pro	Cys	Ala	Leu	Trp	Ala	Pro
865					870					875					880
Gly	Pro	Asp	Gly	Tyr	Arg	Gln	Thr	Lys	Pro	Cys	His	Gly	Gln	Glu	Pro
				885					890					895	

His Gly Ala Ala Thr Gln Gly Pro Leu Ala Lys Pro Arg Gln Glu Ala
900 905 910

Ser Ser Lys Pro Val Pro Ala Pro Gly Gly Gly Gly Phe Ser Arg Ser
915 920 925

Ala Thr Pro Thr Pro Thr Val Ile Ala Arg Ala Gly Ala Gln Pro Ser
930 935 940

Ala Asn Ser Lys Pro Val Glu Lys Phe Gly Val Pro Pro Ala Gly Ala
945 950 955 960

Gly Phe Ala Pro Thr Asn Lys His Ser Ala Pro Asp Ser Leu Lys Ala
965 970 975

Lys Phe Ser Ala Gln Pro Gln Gly Pro Pro Pro Ala Lys Gly Glu Gly
980 985 990

Gly Ala Pro Pro Leu Pro Pro Arg Glu Pro Pro Ser Lys Ala Ala Gln
995 1000 1005

Glu Leu Arg Thr Leu Ala Thr Cys Ala Ala Gly Ser Arg Gly Asp
1010 1015 1020

Ala Ala Leu Gln Ala Gln Pro Gly Val Ala Gly Ala Pro Pro Val
1025 1030 1035

Leu His Ser Ile Lys Gln Glu Pro Val Ala Glu Gly His Glu Lys
1040 1045 1050

Arg Leu Asp Ile Leu Asn Ile Phe Lys Thr Tyr Ile Pro Lys Asp
1055 1060 1065

Phe Ala Thr Leu Tyr Gln Gly Trp Gly Val Ser Gly Pro Gly Leu
1070 1075 1080

Glu His Arg Gly Thr Leu Arg Thr Gln Ala Arg Pro Gly Glu Phe
1085 1090 1095

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Val Cys  Ile Glu Cys Gly  Lys  Ser Phe His Gln Pro  Gly His Leu
      1100                      1105                      1110
```

Arg Ala His Met Arg Ala His Ser Val Val Phe Glu Ser Asp Gly
1115 1120 1125

174

Tyr Pro Ala Ser Leu Arg Phe Ile Asp Leu His Lys Arg Leu Cys Ser
65 70 75 80

Gly Lys Gly Arg Gly Pro Gln Lys Gly Ala Trp Gln Asp Arg Trp Met
85 90 95

Leu Tyr Gly His Met Glu Ile Thr Pro Ser Ser Leu Ala Pro Ala Ser
100 105 110

Ala Ser Arg Pro Leu His Gly Val Arg Cys Phe Cys Ala Cys Cys Pro
115 120 125

Thr Ser Leu His Ser Arg Ala Leu Ile Asn His Phe Asp Pro Pro Leu
130 135 140

Ala Glu Gly Ser Pro Leu Tyr Arg Val Gln Ser Leu
145 150 155

<210> 238
<211> 86
<212> PRT
<213> Homo sapien

<400> 238

Met Met Asn Phe Leu Cys Leu Asn Phe Arg Asp Ile Trp Cys Asp Phe
1 5 10 15

His Leu Tyr Leu Met Leu Pro Leu Leu Pro Ser Leu Leu Asn Thr Ser
20 25 30

Lys Asn Ser Glu His Ile Leu Ile Pro Pro Val Phe Tyr Phe Tyr Asp
35 40 45

Leu Asp Ile Leu His His Lys Ile Pro Pro Asn Trp Asp Tyr Val Phe
50 55 60

Glu Val Ile His Phe Thr Ile Ile Thr Thr Ile Thr Ile Ile Phe Ile
65 70 75 80

Val Cys Phe Val Pro Gly
85

<210> 239
<211> 289
<212> PRT

175

<213> Homo sapien

<400> 239

Ala Asp Leu Ser Phe Ile Glu Asp Thr Val Ala Phe Pro Glu Lys Glu
 1 5 10 15

Glu Asp Glu Glu Glu Glu Glu Gly Val Glu Trp Gly Tyr Glu Glu
 20 25 30

Gly Val Glu Trp Gly Leu Val Phe Pro Asp Ala Asn Gly Glu Tyr Gln
 35 40 45

Ser Pro Ile Asn Leu Asn Ser Arg Glu Ala Arg Tyr Asp Pro Ser Leu
 50 55 60

Leu Asp Val Arg Leu Ser Pro Asn Tyr Val Val Cys Arg Asp Cys Glu
 65 70 75 80

Val Thr Asn Asp Gly His Thr Ile Gln Val Ile Leu Lys Ser Lys Ser
 85 90 95

Val Leu Ser Gly Gly Pro Leu Pro Gln Gly His Glu Phe Glu Leu Tyr
 100 105 110

Glu Val Arg Phe His Trp Gly Arg Glu Asn Gln Arg Gly Ser Glu His
 115 120 125

Thr Val Asn Phe Lys Ala Phe Pro Met Glu Leu His Leu Ile His Trp
 130 135 140

Asn Ser Thr Leu Phe Gly Ser Ile Asp Glu Ala Val Gly Lys Pro His
 145 150 155 160

Gly Ile Ala Ile Ile Ala Leu Phe Val Gln Ile Gly Lys Glu His Val
 165 170 175

Gly Leu Lys Ala Val Thr Glu Ile Leu Gln Asp Ile Gln Tyr Lys Gly
 180 185 190

Lys Ser Lys Thr Ile Pro Cys Phe Asn Pro Asn Thr Leu Leu Pro Asp
 195 200 205

Pro Leu Leu Arg Asp Tyr Trp Val Tyr Glu Gly Ser Leu Thr Ile Pro
 210 215 220

Leu Cys Lys Thr Phe Pro Trp Ser Leu Cys Phe Ser His Ile Asn Gln
20 25 30

177

Leu Ala Tyr Phe Ser His Ser Pro Ser
 35 40

<210> 242
 <211> 80
 <212> PRT
 <213> Homo sapien

<400> 242

Met Asn Cys Leu Tyr Pro Ser Pro Met Cys Phe Tyr Arg Ser Cys Leu
 1 5 10 15

Val His Phe Val Ala Asp Leu Leu Gly Asp Phe Thr Glu Gly Lys Val
 20 25 30

Ser Ser Lys Leu Tyr Asp Asp Phe Met Leu Ile Asp Leu Leu Ser Ser
 35 40 45

Gly Ser Trp Glu Thr His Ser Ala Ile Ser Leu Leu Ser Tyr Phe Ser
 50 55 60

Tyr Asp Ala Gln Pro Pro Lys Ala Thr Arg Glu Gln Tyr Arg Val Pro
 65 70 75 80

<210> 243
 <211> 45
 <212> PRT
 <213> Homo sapien

<400> 243

Glu Arg Pro Gly Met Leu Asp Phe Thr Gly Lys Ala Lys Trp Asp Ala
 1 5 10 15

Trp Asn Glu Leu Lys Gly Thr Ser Lys Glu Asp Ala Met Lys Ala Tyr
 20 25 30

Ile Asn Lys Val Glu Glu Leu Lys Lys Lys Tyr Gly Ile
 35 40 45

<210> 244
 <211> 24
 <212> PRT
 <213> Homo sapien

<400> 244

Met Cys Leu Asn Phe Ser Phe Asn Tyr Leu Ile Pro Phe Ala Gln Glu
 1 5 10 15

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<210> 247
<211> 93
<212> PRT
<213> Homo sapien
<400> 247
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Ser Val Leu Met Arg Gln Leu Ala Leu Thr Gly Ala Thr Leu Met Cys

180

20

25

30

His Leu Pro Thr Phe Asn Phe Trp Val Lys Ala Glu Arg Glu Lys Leu
35 40 45

Met Asp Phe Ser Phe Ser Arg Arg Asp Lys Asn Gln Leu His
50 55 60

<210> 250

<211> 190

<212> PRT

<213> Homo sapien

<400> 250

Met Lys Leu Gln Leu Arg Ile Lys Ser Leu Thr Gln Asn Arg Thr Thr
1 5 10 15

Thr Trp Lys Leu Asn Asn Leu Leu Leu Asn Asp Tyr Trp Val Asn Lys
20 25 30

Lys Ile Lys Ala Glu Ile Asn Lys Phe Phe Glu Thr Ile Glu Asn Lys
35 40 45

Asp Thr Met Tyr Gln Asn Thr Ala Lys Ala Val Phe Arg Gly Lys Phe
50 55 60

Ile Ala Leu Asn Thr His Ile Arg Asn Trp Glu Ile Pro Lys Ile Asn
65 70 75 80

Val Leu Thr Ser Gln Leu Lys Glu Leu Glu Lys Arg Glu Gln Thr His
85 90 95

Ser Lys Gln Glu Ile Thr Lys Ile Ile Ala Glu Leu Lys Glu Ile Glu
100 105 110

Thr Gln Lys Ala Leu Gln Lys Ile Ser Asp Ser Arg Ser Trp Phe Phe
115 120 125

Glu Lys Ile Asn Lys Thr Asp Arg Leu Leu Ala Arg Ile Ile Lys Lys
130 135 140

Lys Arg Glu Lys Asn Gln Ile Asp Thr Ile Lys Asn Asp Lys Gly Asp
145 150 155 160

Ile Thr Thr Asn Pro Thr Glu Ile Gln Thr Ala Ile Arg Glu Cys Tyr

181

165

170

175

Gln His Leu Tyr Ile Asn Lys Leu Glu Asn Leu Glu Glu Ile
180 185 190

<210>	251
<211>	132
<212>	PRT
<213>	Homo sapien

<400> 251

Met Pro Val Leu Ser Pro Pro Leu His Met Pro Tyr Pro Ala Ala Lys
1 5 10 15

Leu Asp Ser Val Leu Pro Asp Lys Thr Trp Tyr Trp His Leu Tyr Ala
20 25 30

Ser Val Cys Leu Pro Ser Thr Phe Lys Lys Pro Leu Gln Ser Ala Asp
35 40 45

Thr Lys Lys Gln Ser His Thr Cys Ser Lys Ser Ala Cys Phe Pro Leu
50 55 60

Ile Ser Ala Ser Cys Gln Arg His Cys Leu Thr Ser Ser Ser Leu Leu
65 70 75 80

Ser Ile Cys Val Pro His Lys Thr Leu Arg Asp Ser Ala Ser Tyr Val
85 90 95

Tyr Gly Leu Trp Val Phe Ile Ser Thr Val Pro Cys Leu Thr Leu Ser
100 105 110

Pro	Cys	Gly	Glu	Tyr	Thr	His	Pro	Thr	Pro	Thr	Val	Pro	Cys	Thr	Ser
		115					120					125			

Val Ala Ala Gln
130

<210>	252
<211>	30
<212>	PRT
<213>	Homo sapien

$\langle 400 \rangle$ 252

Met Gln Phe Arg Ile His Ala Ser Phe Ser Val Lys Trp Arg Ser Tyr
1 5 10 15

Ser Phe Asn Ser Glu Asn Ser Gln Leu Asn Lys Gln Pro Leu
 20 25 30

<210> 253
 <211> 49
 <212> PRT
 <213> Homo sapien

<400> 253

Met Arg Val Val Trp Gly Trp Arg Cys Gly Cys Val Gly Val Leu Val
 1 5 10 15

Leu Val Val Gly Gly Cys Val Glu Trp Ala Val Val Phe Gly Val Cys
 20 25 30

Val Gly Cys Val Val Trp Val Gly Arg Trp Trp Cys Asp Val Val Val
 35 40 45

Trp

<210> 254
 <211> 54
 <212> PRT
 <213> Homo sapien

<400> 254

Met Lys Lys Ser Val Ser Cys Cys Ser Ser Leu Trp Val Ser Leu Ser
 1 5 10 15

Lys Asp Glu Asn Ala Glu Val Gly Arg Gly Asp Ser Leu Leu Gly Thr
 20 25 30

Gly Arg Cys Gly Leu Pro Ile Thr Arg Leu Lys Leu Thr Ser Leu Pro
 35 40 45

Ser Ser Pro Thr Val Val
 50

<210> 255
 <211> 1088
 <212> PRT
 <213> Homo sapien

<400> 255

183

Asp Asp Ser Leu Ile Ser Ser Ala Thr Ala Ile Met Glu Ala Val Val
1 5 10 15

Arg Glu Trp Ile Leu Leu Glu Lys Gly Ser Ile Glu Ser Leu Arg Thr
20 25 30

Phe Leu Leu Thr Tyr Val Leu Gln Arg Pro Asn Leu Gln Lys Tyr Val
35 40 45

Arg Glu Gln Ile Leu Leu Ala Val Ala Val Ile Val Lys Arg Gly Ser
50 55 60

Leu Asp Lys Ser Ile Asp Cys Lys Ser Ile Phe His Glu Val Ser Gln
65 70 75 80

Leu Ile Ser Ser Gly Asn Pro Thr Val Gln Thr Leu Ala Cys Ser Ile
85 90 95

Leu Thr Ala Leu Leu Ser Glu Phe Ser Ser Ser Ser Lys Thr Ser Asn
100 105 110

Ile Gly Leu Ser Met Glu Phe His Gly Asn Cys Lys Arg Val Phe Gln
115 120 125

Glu Glu Asp Leu Arg Gln Ile Phe Met Leu Thr Val Glu Val Leu Gln
130 135 140

Glu Phe Ser Arg Arg Glu Asn Leu Asn Ala Gln Met Ser Ser Val Phe
145 150 155 160

Gln Arg Tyr Leu Ala Leu Ala Asn Gln Val Leu Ser Trp Asn Phe Leu
165 170 175

Pro Pro Asn Leu Gly Arg His Tyr Ile Ala Met Phe Glu Ser Ser Gln
180 185 190

Asn Val Leu Leu Lys Pro Thr Glu Ser Leu Arg Glu Thr Leu Leu Asp
195 200 205

Ser Arg Val Met Glu Leu Phe Phe Thr Val His Arg Lys Ile Arg Glu
210 215 220

His Ser Asp Met Ala Gln Asp Ser Leu Gln Cys Leu Ala Gln Leu Ala
225 230 235 240

Ser Leu His Gly Pro Ile Phe Pro Asp Glu Gly Ser Gln Val Asp Tyr
 245 250 255

Leu Ala His Phe Ile Glu Gly Leu Leu Asn Thr Ile Asn Gly Ile Glu
 260 265 270

Ile Glu Asp Ser Glu Ala Val Gly Ile Ser Ser Ile Ile Ser Asn Leu
 275 280 285

Ile Thr Val Phe Pro Arg Asn Val Leu Thr Ala Ile Pro Ser Glu Leu
 290 295 300

Phe Ser Ser Phe Val Asn Cys Leu Thr His Leu Thr Cys Ser Phe Gly
 305 310 315 320

Arg Ser Ala Ala Leu Glu Glu Val Leu Asp Lys Asp Asp Met Val Tyr
 325 330 335

Met Glu Ala Tyr Asp Lys Leu Leu Glu Ser Trp Leu Thr Leu Val Gln
 340 345 350

Asp Asp Lys His Phe His Lys Gly Phe Phe Thr Gln His Ala Val Gln
 355 360 365

Val Phe Asn Ser Tyr Ile Gln Cys His Leu Ala Ala Pro Asp Gly Thr
 370 375 380

Arg Asn Leu Thr Ala Asn Gly Val Ala Ser Arg Glu Glu Glu Glu Ile
 385 390 395 400

Ser Glu Leu Gln Glu Asp Asp Arg Asp Gln Phe Ser Asp Gln Leu Ala
 405 410 415

Ser Val Gly Met Leu Gly Arg Ile Ala Ala Glu His Cys Ile Pro Leu
 420 425 430

Leu Thr Ser Leu Leu Glu Glu Arg Val Thr Arg Leu His Gly Gln Leu
 435 440 445

Gln Arg His Gln Gln Gln Leu Leu Ala Ser Pro Gly Ser Ser Thr Val
 450 455 460

Asp Asn Lys Met Leu Asp Asp Leu Tyr Glu Asp Ile His Trp Leu Ile
 465 470 475 480

Leu Val Thr Gly Tyr Leu Leu Ala Asp Asp Thr Gln Gly Glu Thr Pro
 485 490 495

Leu Ile Pro Pro Glu Ile Met Glu Tyr Ser Ile Lys His Ser Ser Glu
 500 505 510

Val Asp Ile Asn Thr Thr Leu Gln Ile Leu Gly Ser Pro Gly Glu Lys
 515 520 525

Ala Ser Ser Ile Pro Gly Tyr Asn Arg Thr Asp Ser Val Ile Arg Leu
 530 535 540

Leu Ser Ala Ile Leu Arg Val Ser Glu Val Glu Ser Arg Ala Ile Arg
 545 550 555 560

Ala Asp Leu Thr His Leu Leu Ser Pro Gln Met Gly Lys Asp Ile Val
 565 570 575

Trp Phe Leu Lys Arg Trp Ala Lys Thr Tyr Leu Leu Val Asp Glu Lys
 580 585 590

Leu Tyr Asp Gln Ile Ser Leu Pro Phe Ser Thr Ala Phe Gly Ala Asp
 595 600 605

Thr Glu Gly Ser Gln Trp Ile Ile Gly Tyr Leu Leu Gln Lys Val Ile
 610 615 620

Ser Asn Leu Ser Val Trp Ser Ser Glu Gln Asp Leu Ala Asn Asp Thr
 625 630 635 640

Val Gln Leu Leu Val Thr Leu Val Glu Arg Arg Glu Arg Ala Asn Leu
 645 650 655

Val Ile Gln Cys Glu Asn Trp Trp Asn Leu Ala Lys Gln Phe Ala Ser
 660 665 670

Arg Ser Pro Pro Leu Asn Phe Leu Ser Ser Pro Val Gln Arg Thr Leu
 675 680 685

Met Lys Ala Leu Val Leu Gly Gly Phe Ala His Met Asp Thr Glu Thr
 690 695 700

Lys Gln Gln Tyr Trp Thr Glu Val Leu Gln Pro Leu Gln Gln Arg Phe

705				710				715				720				
Leu	Arg	Val	Ile	Asn	Gln	Glu	Asn	Phe	Gln	Gln	Met	Cys	Gln	Gln	Glu	
				725					730					735		
Glu	Val	Lys	Gln	Glu	Ile	Thr	Ala	Thr	Leu	Glu	Ala	Leu	Cys	Gly	Ile	
				740					745					750		
Ala	Glu	Ala	Thr	Gln	Ile	Asp	Asn	Val	Ala	Ile	Leu	Phe	Asn	Phe	Leu	
				755					760					765		
Met	Asp	Phe	Leu	Thr	Asn	Cys	Ile	Gly	Leu	Met	Glu	Val	Tyr	Lys	Asn	
				770					775					780		
Thr	Pro	Glu	Thr	Val	Asn	Leu	Ile	Ile	Glu	Val	Phe	Val	Glu	Val	Ala	
				785					790					795		
His	Lys	Gln	Ile	Cys	Tyr	Leu	Gly	Glu	Ser	Lys	Ala	Met	Asn	Leu	Tyr	
				805					810					815		
Glu	Ala	Cys	Leu	Thr	Leu	Leu	Gln	Val	Tyr	Ser	Lys	Asn	Asn	Leu	Gly	
				820					825					830		
Arg	Gln	Arg	Ile	Asp	Val	Thr	Ala	Glu	Glu	Glu	Gln	Tyr	Gln	Asp	Leu	
				835					840					845		
Leu	Leu	Ile	Met	Glu	Leu	Leu	Thr	Asn	Leu	Leu	Ser	Lys	Glu	Phe	Ile	
				850					855					860		
Asp	Phe	Ser	Asp	Thr	Asp	Glu	Val	Phe	Arg	Gly	His	Glu	Pro	Gly	Gln	
				865					870					875		
Ala	Ala	Asn	Arg	Ser	Val	Ser	Ala	Ala	Asp	Val	Val	Leu	Tyr	Gly	Val	
				885					890					895		
Asn	Leu	Ile	Leu	Pro	Leu	Met	Ser	Gln	Asp	Leu	Leu	Lys	Phe	Pro	Thr	
				900					905					910		
Leu	Cys	Asn	Gln	Tyr	Tyr	Lys	Leu	Ile	Thr	Phe	Ile	Cys	Glu	Ile	Phe	
				915					920					925		
Pro	Glu	Lys	Ile	Pro	Gln	Leu	Pro	Glu	Asp	Leu	Phe	Lys	Ser	Leu	Met	
				930					935					940		

187

Tyr Ser Leu Glu Leu Gly Met Thr Ser Met Ser Ser Glu Val Cys Gln
945 950 955 960

Leu Cys Leu Glu Ala Leu Thr Pro Leu Ala Glu Gln Cys Ala Lys Ala
965 970 975

Gln Glu Thr Asp Ser Pro Leu Phe Leu Ala Thr Arg His Phe Leu Lys
980 985 990

Leu Val Phe Asp Met Leu Val Leu Gln Lys His Asn Thr Glu Met Thr
995 1000 1005

Thr Ala Ala Gly Glu Ala Phe Tyr Thr Leu Val Cys Leu His Gln
1010 1015 1020

Ala Glu Tyr Ser Glu Leu Val Glu Thr Leu Leu Ser Ser Gln Gln
1025 1030 1035

Asp Pro Val Ile Tyr Gln Arg Leu Ala Asp Ala Phe Asn Lys Leu
1040 1045 1050

Thr Ala Ser Ser Thr Pro Pro Thr Leu Asp Arg Lys Gln Lys Met
1055 1060 1065

Ala Phe Leu Lys Ser Leu Glu Glu Phe Met Ala Asn Val Gly Gly
1070 1075 1080

Leu Leu Cys Val Lys
1085

<210> 256
<211> 78
<212> PRT
<213> Homo sapien

<400> 256

Met Val Leu Met Thr Ser Ser Gly Gln Pro Ser Cys Pro Gly Ile Met
1 5 10 15

Ala Cys Gln His Ser Leu Cys Pro Pro Asn Leu Arg Pro Arg Met Arg
20 25 30

Ser Cys Gln His Asn Ile His Pro Phe Glu Gln Met Glu Ser Gly Thr
35 40 45

188

Leu Thr Gln Pro Ser Val Leu Asn Asn Thr Ala Ile Ile Ala Thr Trp
50 55 60

Leu Ser Arg Gln Cys Lys Pro Ser Glu Ser Ala Glu Leu Phe
65 70 75

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<210> 257
<211> 595
<212> PRT
<213> Homo sapien
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<400> 257

Val	Gln	Lys	Thr	Asn	Gln	Cys	Leu	Gln	Gly	Gln	Ser	Leu	Lys	Thr	Ser
1				5					10					15	

Leu Thr Leu Lys Val Asp Arg Gly Ser Glu Glu Thr Tyr Arg Pro Glu
20 25 30

Phe Pro Ser Thr Lys Gly Leu Val Arg Ser Leu Ala Glu Gln Phe Gln
35 40 45

Arg Met Gln Gly Val Ser Met Arg Asp Ser Thr Gly Phe Lys Asp Arg
50 55 60

Ser Leu Ser Gly Ser Leu Arg Lys Asn Ser Ser Pro Ser Asp Ser Lys
65 70 75 80

Pro Pro Phe Ser Gln Gly Gln Glu Lys Gly His Trp Pro Trp Ala Lys
85 90 95

Gln Gln Ser Ser Leu Glu Gly Gly Asp Arg Pro Leu Ser Trp Glu Glu
100 105 110

Ser Thr Glu His Ser Ser Leu Ala Leu Asn Ser Gly Leu Pro Asn Gly
115 120 125

Glu Thr Ser Ser Gly Gly Gln Pro Arg Leu Ala Glu Pro Asp Ile Tyr
130 135 140

Gln Glu Lys Leu Ser Gln Val Arg Asp Val Arg Ser Lys Asp Leu Gly
145 150 155 160

Ser Ser Thr Asp Leu Gly Thr Ser Leu Pro Leu Asp Ser Trp Val Asn
165 170 175

190

Gln Phe Leu Ala Met Cys Asp Arg Gly Glu Thr Ser Gln Gly Ala Lys
420 425 430

Tyr Thr Gly Arg Thr Leu Asn Tyr Gln Ser Leu Pro His Arg Ser Arg
435 440 445

Thr Asp Asn Ser Trp Ala Pro Trp Ser Glu Thr Asn Gln His Ile Gly
450 455 460

Thr Arg Phe Leu Thr Thr Pro Gly Cys Asn Pro Gln Leu Thr Tyr Thr
465 470 475 480

Ala Thr Leu Pro Glu Arg Ser Lys Gly Leu Gln Val Pro His Thr Gln
485 490 495

Ser Trp Ser Asp Leu Phe His Ser Pro Ser His Pro Pro Ile Val His
500 505 510

Pro Val Tyr Pro Pro Ser Ser Ser Leu His Val Pro Leu Arg Ser Ala
515 520 525

Trp Asn Ser Asp Pro Val Pro Gly Ser Arg Thr Pro Gly Pro Arg Arg
530 535 540

Val Asp Met Pro Pro Asp Asp Asp Trp Arg Gln Ser Ser Tyr Ala Ser
545 550 555 560

His Ser Gly His Arg Arg Thr Val Gly Glu Gly Phe Leu Phe Val Leu
565 570 575

Ser Asp Ala Pro Arg Arg Glu Gln Ile Arg Ala Arg Val Leu Gln His
580 585 590

Ser Gln Trp
595

<210> 258
<211> 55
<212> PRT
<213> Homo sapien

<400> 258

Met Thr Val Met Ile Leu Leu Phe Lys Lys Asn Pro Asn Cys Tyr Phe
1 5 10 15

Asp Leu Tyr Asp Leu Thr Leu Asn His Gly Ser Ile Thr Met Met Phe
 20 25 30

Lys Thr Leu Ile Asp Ser Thr Cys Phe Lys Asn Ser Gln Ile Pro Ser
 35 40 45

Ala Phe Ile Ile Arg Asp Arg
 50 55

<210> 259
 <211> 43
 <212> PRT
 <213> Homo sapien

<400> 259

Met Met Leu Thr Met Glu Phe Lys Asn Lys Gln Gln His Phe Val Val
 1 5 10 15

Ser Thr Gly Val Gly Val Glu Glu Leu Gln Arg His His Gly Asn Lys
 20 25 30

Ser Leu Pro Arg Ile Ser Gly Pro Arg Asn Leu
 35 40

<210> 260
 <211> 75
 <212> PRT
 <213> Homo sapien

<400> 260

Met Ala Tyr Arg Met Lys Arg Gly Thr Arg Asn Pro Cys Gly Arg Gly
 1 5 10 15

Leu Asp Leu Lys Gln Cys Pro Leu Trp Leu Leu Leu Pro Trp Leu Thr
 20 25 30

Gly Phe Leu Asp His Val His Phe Thr Gly Pro Trp Asp Leu His Leu
 35 40 45

Leu Ala Ser Pro Ala Gly Leu Ile Pro Ala Arg Ala Pro Ser Phe Leu
 50 55 60

Leu Met Val Phe Arg Trp Pro Asp His Gly Lys
 65 70 75

<210> 261
 <211> 218
 <212> PRT
 <213> Homo sapien

<400> 261

Met Ile Asn His Leu Ser Pro His Gln Ala Ala Ala Pro Val Asp Gln
 1 5 10 15

Thr Pro Arg Thr Leu Ala Thr Met Gly Gln Arg Ala Leu Pro Ser Ser
 20 25 30

Leu Ala Leu Leu Ser Arg Pro Leu Ser Pro Pro Pro Ala Ala Cys Ser
 35 40 45

Gly Asp Pro Gly Cys Gly Ser Gly Ala Gly Leu Pro Ser Ala Ser Ala
 50 55 60

Ala Ala Gly Ile Ala Ser Ser Ala Val Glu Ala Val Cys Gly Asp Ala
 65 70 75 80

Ala Pro Ala Cys Leu Leu Arg Thr Pro Leu Arg Gly Leu Leu Lys Pro
 85 90 95

Thr Gly Pro Arg Ser Thr Met Glu Cys Pro Pro Ala Leu Ile Val Gln
 100 105 110

Pro Pro Ala Gly Gly Met Ala Arg Arg Ala Ala Ser Gln Pro Trp Ala
 115 120 125

Ala Ala Ser Ala Thr Pro Met Leu Ser Ser Lys Ala Ser Leu Cys Ile
 130 135 140

Pro Thr Glu Arg Pro Pro Pro Gln Pro Leu Met Arg Thr Pro Ala Ala
 145 150 155 160

Arg Ser His Trp Pro Ile Pro His Pro Ala Ser Thr Ala Cys Pro Ala
 165 170 175

Pro Leu Pro Val Val Leu Val Ala Pro Arg Ser Thr Ile Leu Ser Met
 180 185 190

Ser Arg Thr Trp Thr Cys Arg Arg Trp Ala Val Ala Pro Cys Arg Ala
 195 200 205

* Glu Lys Leu Met Cys Ser Ser Ser Arg Ser
210 215

<210>	262
<211>	104
<212>	PRT
<213>	Homo sapien

<400> 262

Met Pro Ser Phe Phe Cys Phe Ser Ile Ser Leu Ile Arg Asp Trp Lys
1 5 10 15

Val Ser Ile Arg Ser Asn Thr Asp Phe Ile Val Ile Gly Thr Asn Cys
20 25 30

Ser Pro Thr Thr Pro Tyr Ser Ala Ser Ser Ile Thr Leu Leu Cys Glu
35 40 45

Ile Leu Arg Asn Gly Leu Pro Leu Gln Gly Leu Asn Leu Pro Tyr Leu
50 55 60

Arg Phe Glu Ser Ser Val Leu Phe Cys Ile Cys Phe Lys Tyr Leu Gly
65 70 75 80

Ser Val Thr His Ala Asn Met Thr Cys Pro Val Gln Ala Thr Leu Gly
85 90 95

Ile His Ile Ser His Val Ser Ser
100

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<210> 263
<211> 260
<212> PRT
<213> Homo sapien
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<400> 263

Glu Lys Lys Lys Lys Met Lys Asn Glu Asn Ala Asp Lys Leu Leu Lys
1 5 10 15

Ser Glu Lys Gln Met Lys Lys Ser Glu Lys Lys Ser Lys Gln Glu Lys
20 25 30

Glu Lys Ser Lys Lys Lys Lys Gly Gly Lys Thr Glu Gln Asp Gly Tyr
35 40 45

Gln Lys Pro Thr Asn Lys His Phe Thr Gln Ser Pro Lys Lys Ser Val

194

50

55

60

Ala Asp Leu Leu Gly Ser Phe Glu Gly Lys Arg Arg Leu Leu Leu Ile
65 70 75 80

Thr Ala Pro Lys Ala Glu Asn Asn Met Tyr Val Gln Gln Arg Asp Glu
85 90 95

Tyr Leu Glu Ser Phe Cys Lys Met Ala Thr Arg Lys Ile Ser Val Ile
100 105 110

Thr Ile Phe Gly Pro Val Asn Asn Ser Thr Met Lys Ile Asp His Phe
115 120 125

Gln Leu Asp Asn Glu Lys Pro Met Arg Val Val Asp Asp Glu Asp Leu
130 135 140

Val Asp Gln Arg Leu Ile Ser Glu Leu Arg Lys Glu Tyr Gly Met Thr
145 150 155 160

Tyr Asn Asp Phe Phe Met Val Leu Thr Asp Val Asp Leu Arg Val Lys
165 170 175

Gln Tyr Tyr Glu Val Pro Ile Thr Met Lys Ser Val Phe Asp Leu Ile
180 185 190

Asp Thr Phe Gln Ser Arg Ile Lys Asp Met Glu Lys Gln Lys Lys Glu
195 200 205

Gly Ile Val Cys Lys Glu Asp Lys Lys Gln Ser Leu Glu Asn Phe Leu
210 215 220

Ser Arg Phe Arg Trp Arg Arg Arg Leu Leu Val Ile Ser Ala Pro Asn
225 230 235 240

Asp Glu Asp Trp Ala Tyr Ser Gln Gln Leu Ser Ala Leu Ser Gly Gln
245 250 255

Ala Cys Thr Leu
260

<210> 264
<211> 62
<212> PRT
<213> Homo sapien

<400> 264

Met Ser Gly Phe Ile Tyr Val Leu Glu Lys Asp His Leu Lys Lys Ile
 1 5 10 15

Asn Thr Phe Ser Thr Thr Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 20 25 30

Arg Arg Gly Gly Glu Pro Gly Ala Gln Ser Gly Pro Arg Gly Ala Asn
 35 40 45

Trp Val Leu Pro Ala His Ile Pro Pro Lys Tyr Trp His Thr
 50 55 60

<210> 265

<211> 89

<212> PRT

<213> Homo sapien

<400> 265

Met Leu Gln Leu Asn Thr Arg Phe Tyr Phe Leu Ser Asn Cys Gly Phe
 1 5 10 15

Val Phe Ile Tyr His Pro Leu Phe Ile Pro Phe Leu Thr His Thr Leu
 20 25 30

Cys Arg Ala Ser Gly Ile Tyr Tyr Ser Thr Val Cys Leu Cys Lys Arg
 35 40 45

Leu Ser Val Leu Ala Ser Thr Tyr Glu Arg Met His Ala Lys Phe Cys
 50 55 60

Leu Ser Met Pro Gly Leu Ile Ser Leu Lys Gln Asn Asp Leu Arg Val
 65 70 75 80

Pro Ser Met Leu Phe Ile Leu Pro Asn
 85

<210> 266

<211> 38

<212> PRT

<213> Homo sapien

<400> 266

Met Thr Ser Arg Trp Leu Asn Phe Ser Cys Leu Trp Cys Phe Gly Pro
 1 5 10 15

Asn Ser Thr Gly Gln His His Asp His Met Glu Thr Tyr Phe Trp Lys
 20 25 30

Gln Asn Phe Asn Phe Ile
 35

<210> 267
 <211> 111
 <212> PRT
 <213> Homo sapien

<400> 267

Asn Asp Leu Asp Arg Tyr Asn Pro Leu Ser Ser Gln Arg Leu Val Arg
 1 5 10 15

Asn Ala Leu Ala His Val Gly Ala Lys Glu Arg Glu Leu Ser Trp Ala
 20 25 30

His Ser Glu Ser Phe Ala Ala Leu Cys Arg Tyr Gly Lys Arg Glu Phe
 35 40 45

Lys Ile Gly Gly Glu Leu Arg Ile Gly Lys Gln Pro Tyr Arg Leu Gln
 50 55 60

Ile Gln Leu Ser Ala Gln Arg Ser His Thr Leu Glu Phe Gln Ser Leu
 65 70 75 80

Glu Asp Leu Ile Met Gly Glu Ala Thr Gln Arg Pro Arg Ser Gly Ala
 85 90 95

Arg Pro Val Leu Gln Glu Leu Ala Thr His Leu His Pro Ala Glu
 100 105 110

<210> 268
 <211> 60
 <212> PRT
 <213> Homo sapien

<400> 268

Met Val Asn Thr Val Leu Leu Ser Leu Lys Ile Ser Leu Phe Cys Pro
 1 5 10 15

His Gln Leu Phe Tyr Cys Ser Val Leu Arg Lys Pro Asn Ser Cys Val
 20 25 30

198

Ser Ser Ser Asp Cys Phe Asn Lys Val Met Pro Pro Arg Lys Lys Arg
65 70 75 80

Arg Pro Ala Ser Gly Asp Asp Leu Ser Ala Lys Lys Ser Arg His Asp
85 90 95

Ser Met Tyr Arg Lys Tyr Asp Ser Thr Arg Ile Lys Thr Glu Glu Glu
100 105 110

Ala Phe Ser Ser Lys Arg Cys Leu Glu Trp Phe Tyr Glu Tyr Ala Gly
115 120 125

Thr Asp Asp Val Val Gly Pro Glu Gly Met Glu Lys Phe Cys Glu Asp
130 135 140

Ile Gly Val Glu Pro Glu Asn Val
145 150

<210> 271
<211> 52
<212> PRT
<213> Homo sapien

<400> 271

Met Glu Pro His Ile Met Lys Phe Asn Ser His Val Lys Thr Phe Cys
1 5 10 15

Ile Val Gly Cys Gln Lys Tyr Leu Pro Lys Leu Ser Phe Asp Leu Ser
20 25 30

Glu Trp Gly Trp Leu Leu Pro Ile Leu Gln Phe Val Ser Gln Ala Trp
35 40 45

Arg Asn Gln Ala
50

<210> 272
<211> 449
<212> PRT
<213> Homo sapien

<400> 272

Met Val Met Glu Lys Pro Ser Pro Leu Leu Val Gly Arg Glu Phe Val
1 5 10 15

Arg Gln Tyr Tyr Thr Leu Leu Asn Lys Ala Pro Glu Tyr Leu His Arg

20 25 30

Phe Tyr Gly Arg Asn Ser Ser Tyr Val His Gly Gly Val Asp Ala Ser
35 40 45

Gly Lys Pro Gln Glu Ala Val Tyr Gly Gln Asn Asp Ile His His Lys
50 55 60

Val Leu Ser Leu Asn Phe Ser Glu Cys His Thr Lys Ile Arg His Val
65 70 75 80

Asp Ala His Ala Thr Leu Ser Asp Gly Val Val Val Gln Val Met Gly
85 90 95

Leu Leu Ser Asn Ser Gly Gln Pro Glu Arg Lys Phe Met Gln Thr Phe
100 105 110

Val Leu Ala Pro Glu Gly Ser Val Pro Asn Lys Phe Tyr Val His Asn
115 120 125

Asp Met Phe Arg Tyr Glu Asp Glu Val Phe Gly Asp Ser Glu Pro Glu
130 135 140

Leu Asp Glu Glu Ser Glu Asp Glu Val Glu Glu Glu Gln Glu Glu Arg
145 150 155 160

Gln Pro Ser Pro Glu Pro Val Gln Glu Asn Ala Asn Ser Gly Tyr Tyr
165 170 175

Glu Ala His Pro Val Thr Asn Gly Ile Glu Glu Pro Leu Glu Glu Ser
180 185 190

Ser His Glu Pro Glu Pro Glu Pro Glu Ser Glu Thr Lys Thr Glu Glu
195 200 205

Leu Lys Pro Gln Val Glu Glu Lys Asn Leu Glu Glu Leu Glu Glu Lys
210 215 220

Ser Thr Thr Pro Pro Pro Ala Glu Pro Val Ser Leu Pro Gln Glu Pro
225 230 235 240

Pro Lys Pro Arg Val Glu Ala Lys Pro Glu Val Gln Ser Gln Pro Pro
245 250 255



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<210> 273
<211> 63
<212> PRT
<213> Homo sapien
<400> 273
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Lys Glu Asp Ala Asp Arg Ile His Ile Phe Ser Ser Phe Phe Tyr Lys

202

50

55

60

Arg Leu Asn Gln Arg Glu Arg Arg Asn His Glu Thr Thr Asn Leu Ser
65 70 75 80

Ile Gln Gln Lys Arg His Gly Arg Val Lys Thr Trp Thr Arg His Val
85 90 95

Asp Ile Phe Glu Lys Asp Phe Ile Phe Val Pro Leu Asn Glu Ala
100 105 110

<210> 276
<211> 97
<212> PRT
<213> Homo sapien

<400> 276

Met Ser Gln Asp Thr Ser Arg Ser Gln Glu Arg Ala Ala Gly Pro Gln
1 5 10 15

Arg Thr Arg Arg Arg Pro Arg Thr Trp Ser Gly Gly Val Glu Pro Thr
20 25 30

Ala Ala Ala Pro Trp Ala Ala Ala Met Ala His Thr Gly Arg His Gly
35 40 45

Ser Gly Ala Ala Ala Thr Ala Ser Ser Thr Arg Gly Asp Gly Ala Ala
50 55 60

Arg Arg Gly Ala Ala Arg Gly Thr Asp Ala Ala Glu Arg Arg Arg Ala
65 70 75 80

Ala Ser Arg Gly Ala Ala Glu Pro Lys Ala Thr Ala Ser Gly Gly Gly
85 90 95

Gly

<210> 277
<211> 76
<212> PRT
<213> Homo sapien

<400> 277

Met Gly Ser Cys Pro Leu Trp Val Arg Ser Ser Thr Cys Arg Val Glu
1 5 10 15

Leu Phe Phe Phe Lys Lys Phe Ile Leu Arg Trp Ser Leu Thr Leu Ser
1 5 10 15

Arg Glu Ala Lys Ile Tyr Ser Phe Ser Met Asn Pro Asn Met

205

35

40

45

<210>	283
<211>	70
<212>	PRT
<213>	Homo sapien

<400> 283

Met Pro Gly Ser His Leu Cys Met Phe Asn Thr Val Thr His Asp Val
1 5 10 15

Ile Thr Glu Trp Arg Arg Trp Lys Gly Pro Cys Arg Ser Phe Ser Trp
20 25 30

His Pro Asn Phe Thr Glu Gly Glu Leu Arg Pro Glu Leu Arg Asp Val
35 40 45

Leu Arg Ile Pro Glu Ser His Ser Ser Val Arg Ser Val Ile His Lys
50 55 60

Glu Val Ile Ile Lys Val
65 70

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<210> 284
<211> 49
<212> PRT
<213> Homo sapien
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<400> 284

Met Ser Ser Ser Leu Phe Ala Phe Leu Leu Thr Tyr Phe Val Val Phe
1 5 10 15

Lys Asp Cys Ala Gly Asp Ile Leu Glu Gly Ile Asn Gly Leu His Ser
20 25 30

Lys Arg Cys Gly Leu Ser Lys Leu Phe Ser Val Phe Ile Thr Glu Thr
35 40 45

Asp

<210>	285
<211>	1544
<212>	PRT
<213>	Homo sapien

<400> 285

Glu Asp Ser Ser Glu Ser Asp Thr Asp Ser Asp Asp Tyr Ala Pro Pro
225 230 235 240

207

Gln Asp Gly Pro Ala Ala Tyr Pro Ile Pro Val Gln Asn Ile Lys Pro
245 250 255

Leu Leu Thr Val Ser Phe Thr Ser Gly Asp Ile Ser Leu Met Asn Asn
260 265 270

Tyr Asp Asp Leu Ser Pro Thr Val Ile Arg Ser Gly Leu Lys Glu Val
275 280 285

Val Ala Gln Trp Cys Thr Gln Gly Asp Leu Leu Ala Val Ala Gly Met
290 295 300

Glu Arg Gln Thr Gln Leu Gly Glu Leu Pro Asn Gly Pro Leu Leu Lys
305 310 315 320

Ser Ala Met Val Lys Phe Tyr Asn Val Arg Gly Glu His Ile Phe Thr
325 330 335

Leu Asp Thr Leu Val Gln Arg Pro Ile Ile Ser Ile Cys Trp Gly His
340 345 350

Arg Asp Ser Arg Leu Leu Met Ala Ser Gly Pro Ala Leu Tyr Val Val
355 360 365

Arg Val Glu His Arg Val Ser Ser Leu Gln Leu Leu Cys Gln Gln Ala
370 375 380

Ile Ala Ser Thr Leu Arg Glu Asp Lys Asp Val Ser Lys Leu Thr Leu
385 390 395 400

Pro Pro Arg Leu Cys Ser Tyr Leu Ser Thr Ala Phe Ile Pro Thr Ile
405 410 415

Lys Pro Pro Ile Pro Asp Pro Asn Asn Met Arg Asp Phe Val Ser Tyr
420 425 430

Pro Ser Ala Gly Asn Glu Arg Leu His Cys Thr Met Lys Arg Thr Glu
435 440 445

Asp Asp Pro Glu Val Gly Gly Pro Cys Tyr Thr Leu Tyr Leu Glu Tyr
450 455 460

Leu Gly Gly Leu Val Pro Ile Leu Lys Gly Arg Arg Ile Ser Lys Leu

465	470							475							480		
Arg	Pro	Glu	Phe	Val	Ile	Met	Asp	Pro	Arg	Thr	Asp	Ser	Lys	Pro	Asp		
				485					490					495			
Glu	Ile	Tyr	Gly	Asn	Ser	Leu	Ile	Ser	Thr	Val	Ile	Asp	Ser	Cys	Asn		
				500					505					510			
Cys	Ser	Asp	Ser	Ser	Asp	Ile	Glu	Leu	Ser	Asp	Asp	Trp	Ala	Ala	Lys		
				515					520					525			
Lys	Ser	Pro	Lys	Ile	Ser	Arg	Ala	Ser	Lys	Ser	Pro	Lys	Leu	Pro	Arg		
				530					535					540			
Ile	Ser	Ile	Glu	Ala	Arg	Lys	Ser	Pro	Lys	Leu	Pro	Arg	Ala	Ala	Gln		
				545					550					555			
Glu	Leu	Ser	Arg	Ser	Pro	Arg	Leu	Pro	Leu	Arg	Lys	Pro	Ser	Val	Gly		
				565					570					575			
Ser	Pro	Ser	Leu	Thr	Arg	Arg	Glu	Phe	Pro	Phe	Glu	Asp	Ile	Thr	Gln		
				580					585					590			
His	Asn	Tyr	Leu	Ala	Gln	Val	Thr	Ser	Asn	Ile	Trp	Gly	Thr	Lys	Phe		
				595					600					605			
Lys	Ile	Val	Gly	Leu	Ala	Ala	Phe	Leu	Pro	Thr	Asn	Leu	Gly	Ala	Val		
				610					615					620			
Ile	Tyr	Lys	Thr	Ser	Leu	Leu	His	Leu	Gln	Pro	Arg	Gln	Met	Thr	Ile		
				625					630					635			
Tyr	Leu	Pro	Glu	Val	Arg	Lys	Ile	Ser	Met	Asp	Tyr	Ile	Asn	Leu	Pro		
				645					650					655			
Val	Phe	Asn	Pro	Asn	Val	Phe	Ser	Glu	Asp	Glu	Asp	Asp	Leu	Pro	Val		
				660					665					670			
Thr	Gly	Ala	Ser	Gly	Val	Pro	Glu	Asn	Ser	Pro	Pro	Cys	Thr	Val	Asn		
				675					680					685			
Ile	Pro	Ile	Ala	Pro	Ile	His	Ser	Ser	Ala	Gln	Ala	Met	Ser	Pro	Thr		
				690					695					700			

209

Gln Ser Ile Gly Leu Val Gln Ser Leu Leu Ala Asn Gln Asn Val Gln
705 710 715 720

Leu Asp Val Leu Thr Asn Gln Thr Thr Ala Val Gly Thr Ala Glu His
725 730 735

Ala Gly Asp Arg Cys His Pro Val Thr Gln Val Ser Asn Arg Tyr Ser
740 745 750

Asn Pro Gly Gln Val Ile Phe Gly Ser Val Glu Met Gly Arg Ile Ile
755 760 765

Gln Asn Pro Pro Pro Leu Ser Leu Pro Pro Pro Pro Gln Gly Pro Met
770 775 780

Gln Leu Ser Thr Val Gly His Gly Asp Arg Asp His Glu His Leu Gln
785 790 795 800

Lys Ser Ala Lys Ala Leu Arg Pro Thr Pro Gln Leu Ala Ala Glu Gly
805 810 815

Asp Ala Val Val Phe Ser Ala Pro Gln Glu Val Gln Val Thr Lys Ile
820 825 830

Asn Pro Pro Pro Pro Tyr Pro Gly Thr Ile Pro Ala Ala Pro Thr Thr
835 840 845

Ala Ala Pro Pro Pro Pro Leu Pro Pro Pro Gln Pro Pro Val Asp Val
850 855 860

Cys Leu Lys Lys Gly Asp Phe Ser Leu Tyr Pro Thr Ser Val His Tyr
865 870 875 880

Gln Thr Pro Leu Gly Tyr Glu Arg Ile Thr Thr Phe Asp Ser Ser Gly
885 890 895

Asn Val Glu Glu Val Cys Arg Pro Arg Thr Arg Met Leu Cys Ser Gln
900 905 910

Asn Thr Tyr Thr Leu Pro Gly Pro Gly Ser Ser Ala Thr Leu Arg Leu
915 920 925

Thr Ala Thr Glu Lys Lys Val Pro Gln Pro Cys Ser Ser Ala Thr Leu
930 935 940

210

Asn Arg Leu Thr Val Pro Arg Tyr Ser Ile Pro Thr Gly Asp Pro Pro
 945 950 955 960

Pro Tyr Pro Glu Ile Ala Ser Gln Leu Ala Gln Gly Arg Gly Ala Ala
 965 970 975

Gln Arg Ser Asp Asn Ser Leu Ile His Ala Thr Leu Arg Arg Asn Asn
 980 985 990

Arg Glu Ala Thr Leu Lys Met Ala Gln Leu Ala Asp Ser Pro Arg Ala
 995 1000 1005

Pro Leu Gln Pro Leu Ala Lys Ser Lys Gly Gly Pro Gly Gly Val
 1010 1015 1020

Val Thr Gln Leu Pro Ala Arg Pro Pro Pro Ala Leu Tyr Thr Cys
 1025 1030 1035

Ser Gln Cys Ser Gly Thr Gly Pro Ser Ser Gln Pro Gly Ala Ser
 1040 1045 1050

Leu Ala His Thr Ala Ser Ala Ser Pro Leu Ala Ser Gln Ser Ser
 1055 1060 1065

Tyr Ser Leu Leu Ser Pro Pro Asp Ser Ala Arg Asp Arg Thr Asp
 1070 1075 1080

Tyr Val Asn Ser Ala Phe Thr Glu Asp Glu Ala Leu Ser Gln His
 1085 1090 1095

Cys Gln Leu Glu Lys Pro Leu Arg His Pro Pro Leu Pro Glu Ala
 1100 1105 1110

Ala Val Thr Leu Lys Arg Pro Pro Pro Tyr Gln Trp Asp Pro Met
 1115 1120 1125

Leu Gly Glu Asp Val Trp Val Pro Gln Glu Arg Thr Ala Gln Thr
 1130 1135 1140

Ser Gly Pro Asn Pro Leu Lys Leu Ser Ser Leu Met Leu Ser Gln
 1145 1150 1155

Gly Gln His Leu Asp Val Ser Arg Leu Pro Phe Ile Ser Pro Lys
 1160 1165 1170

Ser	Pro	Ala	Ser	Pro	Thr	Ala	Thr	Phe	Gln	Thr	Gly	Tyr	Gly	Met
1175						1180					1185			
Gly	Val	Pro	Tyr	Pro	Gly	Ser	Tyr	Asn	Asn	Pro	Pro	Leu	Pro	Gly
1190						1195					1200			
Val	Gln	Ala	Pro	Cys	Ser	Pro	Lys	Asp	Ala	Leu	Ser	Pro	Thr	Gln
1205						1210					1215			
Phe	Ala	Gln	Gln	Glu	Pro	Ala	Val	Val	Leu	Gln	Pro	Leu	Tyr	Pro
1220						1225					1230			
Pro	Ser	Leu	Ser	Tyr	Cys	Thr	Leu	Pro	Pro	Met	Tyr	Pro	Gly	Ser
1235						1240					1245			
Ser	Thr	Cys	Ser	Ser	Leu	Gln	Leu	Pro	Pro	Val	Ala	Leu	His	Pro
1250						1255					1260			
Trp	Ser	Ser	Tyr	Ser	Ala	Cys	Pro	Pro	Met	Gln	Asn	Pro	Gln	Gly
1265						1270					1275			
Thr	Leu	Pro	Pro	Lys	Pro	His	Leu	Val	Val	Glu	Lys	Pro	Leu	Val
1280						1285					1290			
Ser	Pro	Pro	Pro	Ala	Asp	Leu	Gln	Ser	His	Leu	Gly	Thr	Glu	Val
1295						1300					1305			
Met	Val	Glu	Thr	Ala	Asp	Asn	Phe	Gln	Glu	Val	Leu	Ser	Leu	Thr
1310						1315					1320			
Glu	Ser	Pro	Val	Pro	Gln	Arg	Thr	Glu	Lys	Phe	Gly	Lys	Lys	Asn
1325						1330					1335			
Arg	Lys	Arg	Leu	Asp	Ser	Arg	Ala	Glu	Glu	Gly	Ser	Val	Gln	Ala
1340						1345					1350			
Ile	Thr	Glu	Gly	Lys	Val	Lys	Lys	Glu	Ala	Arg	Thr	Leu	Ser	Asp
1355						1360					1365			
Phe	Asn	Ser	Leu	Ile	Ser	Ser	Pro	His	Leu	Gly	Arg	Glu	Lys	Lys
1370						1375					1380			
Lys	Val	Lys	Ser	Gln	Lys	Asp	Gln	Leu	Lys	Ser	Lys	Lys	Leu	Asn

1385 1390 1395
 Lys Thr Asn Glu Phe Gln Asp Ser Ser Glu Ser Glu Pro Glu Leu
 1400 1405 1410
 Phe Ile Ser Gly Asp Glu Leu Met Asn Gln Ser Gln Gly Ser Arg
 1415 1420 1425
 Lys Gly Trp Lys Ser Lys Arg Ser Pro Arg Ala Ala Gly Glu Leu
 1430 1435 1440
 Glu Glu Ala Lys Cys Arg Arg Ala Ser Glu Lys Glu Asp Gly Arg
 1445 1450 1455
 Leu Gly Ser Gln Gly Phe Val Tyr Val Met Ala Asn Lys Gln Pro
 1460 1465 1470
 Leu Trp Asn Glu Ala Thr Gln Val Tyr Gln Leu Asp Phe Gly Gly
 1475 1480 1485
 Arg Val Thr Gln Glu Ser Ala Lys Asn Phe Gln Ile Glu Leu Glu
 1490 1495 1500
 Gly Arg Gln Val Met Gln Phe Gly Arg Ile Asp Gly Ser Ala Tyr
 1505 1510 1515
 Ile Leu Asp Phe Gln Tyr Pro Phe Ser Ala Val Gln Ala Phe Ala
 1520 1525 1530
 Val Ala Leu Ala Asn Val Thr Gln Arg Leu Lys
 1535 1540

 <210> 286
 <211> 56
 <212> PRT
 <213> Homo sapien

 <400> 286
 Met Gly Asn Gly Ala Thr Gln Lys Gln Leu Pro Asn Leu Arg Asn Asn
 1 5 10 15

 Ser Phe Val Val Tyr Phe Leu Val Leu Val Gly Ala Leu Tyr Arg Asp
 20 25 30

 Thr Ala Ile Phe Leu Ala Gln Met Ser Leu Leu Glu Ser Thr Val Val

213

35

40

45

Ile Leu Leu Val Arg Leu Arg Thr
50 55

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<210> 287
<211> 77
<212> PRT
<213> Homo sapien
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<400> 287

Met Leu Leu Ala Val Arg Thr Thr Val Ile Cys Leu Gln Ser Cys Cys
1 5 10 15

Cys Arg Ile Gln Arg Thr Ala Thr Ile Thr Leu Asn Cys Phe Ala Leu
20 25 30

Ser Ser Ile Phe Asp Tyr Tyr Ile Ser His Asn Ile Thr Ile Ser His
35 40 45

Ser Ser Asn Tyr Ser Ala Gln Ile His Glu His Val Pro Ala Arg Ala
50 55 60

Ala Ala Arg Ser Ile Thr Trp Arg Arg Ser Ala Cys Ile
65 70 75

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<210> 288
<211> 45
<212> PRT
<213> Homo sapien
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<400> 288

Met Tyr Leu Gly Gln Leu Gly Asn His Arg Leu Lys Lys Leu Thr Leu
1 5 10 15

Val Ile Thr Arg Val Val Ser Asp Tyr Lys Gln His Ile Ile Asn Pro
20 25 30

Thr Ala Leu Ile Leu Ala Gln Arg Gln Asn Trp Thr Phe
35 40 45

<210>	289
<211>	44
<212>	PRT
<213>	Homo sapien

<400> 289

214

Met Lys Ala Leu Leu Cys Phe Leu Phe Tyr Ser Asp His Gln Thr Asp
1 5 10 15

Leu Ala Thr Leu Ile Val Lys Asn Glu Pro His Ser Ser Pro Gly Leu
20 25 30

Gly Leu Trp Arg Glu Met Asn Phe Leu Leu Glu Met
35 40

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<210> 290
<211> 50
<212> PRT
<213> Homo sapien
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<400> 290

Met Phe Arg Thr Ser Ser Tyr Arg Leu Leu Ile Tyr Lys Val Pro Val
1 5 10 15

Ala Val Thr Pro Thr Arg Lys Thr Trp Asn Cys Lys Gln Ala Gly Val
20 25 30

Thr Ser Val Thr Ser Asp Thr Val Gln Pro Glu Val Arg Phe Leu Phe
35 40 45

Trp Gly
50

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<210> 291
<211> 44
<212> PRT
<213> Homo sapien
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<400> 291

Met Ser Gln Trp Pro Val Ala Ser Lys Leu Val Gly Lys Glu Lys Thr
1 5 10 15

Phe Leu Phe Lys Gln Arg Lys Gly Phe Gly Glu Lys Thr Gly Ser Gly
20 25 30

Ser Gly Glu Val Phe Val Met Leu Gly Asp Arg Leu
35 40

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<210> 292
<211> 61
<212> PRT
<213> Homo sapien
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215

<400> 292

Met Val His Tyr Arg Lys Glu Lys Lys Thr Ser Val Ser Glu Trp Gln
1 5 10 15

Ile Leu Ile Ile Cys Ser Ser His Leu Phe Ser Ser Glu Asn His Ile
20 25 30

Thr Pro Glu Tyr Leu Pro Gly Arg Ile His His Thr Ala Pro Leu Glu
35 40 45

Pro Ala Ser Lys Asp Pro Phe Ala His Ile Val Ile Leu
50 55 60

<210> 293

<211> 112

<212> PRT

<213> Homo sapien

<400> 293

Met Gly Ile Ile Leu Asn Trp Leu Asn Gln Trp Ala Gln Ile Thr Tyr
1 5 10 15

Leu Pro Ser Leu Leu Cys Asp Ser Pro Ala Val Thr His Thr Ile His
20 25 30

Ile Leu Cys Thr Ser Asn Glu Gln Thr Trp Phe Pro Cys Phe Leu Asp
35 40 45

Ile Ser Met Thr Val Ser His Thr Asn Tyr Trp Val Arg Phe Phe Ser
50 55 60

Cys Tyr Arg Pro Thr Ser Cys Cys Leu Cys Val Val Leu Gln Lys Leu
65 70 75 80

Ser Ile Pro Thr Pro Leu Leu Cys His Leu Gln Glu Ser Gly Ile Val
85 90 95

Arg Ser Gln Leu Arg Lys Val Leu Val Pro Leu Thr Gly His Ile Leu
100 105 110

<210> 294

<211> 55

<212> PRT

<213> Homo sapien

216

<400> 294

Met Arg Phe Ile Phe Ile Cys Lys Pro Arg Gly Leu Ile Ile Leu Ile
1 5 10 15

Leu Tyr Glu Tyr Thr Cys Val Leu Gly Lys Ala Phe Ile Gln Gln Met
20 25 30

Pro	Thr	Thr	Tyr	Ser	Val	Pro	Arg	Pro	Arg	His	Pro	Val	Thr	Ser	Trp
		35					40					45			

Arg Pro Ala Arg Ala Cys Ile
50 55

<210> 295

<211> 77

<212> PRT

<213> Homo sapien

<400> 295

Met Leu Glu Leu Pro Thr Phe Ser Phe Phe Phe Phe Gly Asp Arg Ala
1 5 10 15

Ser Leu Cys His Pro Gly Trp Ser Ala Gly Ala Ser Ser Leu Thr His
20 25 30

Leu Gln Pro Ser Phe Leu Pro Trp Gly Ala Gly Arg Phe Ser Cys Ala
35 40 45

Leu Gln Pro Pro Ser Leu Ala Gly Ile Tyr Arg Ala Leu Leu Gln Val
50 55 60

Ser His Ile Phe Ser Glu Lys Phe Leu Asn Trp Pro Pro
65 70 75